

20021222.qrp v02_n777.qrl.20021222

Date: Sun, 22 Dec 2002 19:03:08 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2777

QRP-L Digest 2777

Topics covered in this issue include:

- 1) [142786] Re: Class E Amp??
by "Chris Trask" <chistrask@earthlink.net>
- 2) [142787] Re: FOX: K3ESE Log 1.0
by "Mike L. AF4LQ" <olyellr@iglou.com>
- 3) [142788] Re: OT - Capacitor Replacement - Computer Motherboard
by Jerry Lofstead <w3cde@bellsouth.net>
- 4) [142789] Time to check for RockMites on 20 meters
by Jim Larsen - AL7FS <jimlarsen2002@alaska.net>
- 5) [142790] Re: Off Topic: Our Education System
by "Brian Riley (maillist)" <n1bq_list@wulfdn.org>
- 6) [142791] Re: OT - Capacitor Replacement - Computer Motherboard
by "John J. McDonough" <wb8rcr@arrl.net>
- 7) [142792] Re: RF Exposure through Plastic Cases?
by "brian" <brian@iquest.net>
- 8) [142793] Re: Off Topic: Our Education System
by "Brian Riley (maillist)" <n1bq_list@wulfdn.org>
- 9) [142794] Re: Class E Amp??
by John Harper AE5X <ae5x@qsl.net>
- 10) [142795] Re: OT - Capacitor Replacement - Computer Motherboard
by Jerry Lofstead <w3cde@bellsouth.net>
- 11) [142796] Re: OT - Capacitor Replacement - Computer Motherboard
by "Mike Yetsko" <myetsko@insydesw.com>
- 12) [142797] OT: CD-RW Help
by <sjolin@swbell.net>
- 13) [142798] Re: CD-RW Help
by "Mike Yetsko" <myetsko@insydesw.com>
- 14) [142799] Re: OT: CD-RW Help
by Ed Lawson (K1VP) <k1vp@grizzly.com>
- 15) [142800] Re: New Altoids Flavor???
by "George, W5YR" <w5yr@att.net>
- 16) [142801] Re: merry xmas
by neil <ntan@crosslink.net>
- 17) [142802] Re: Antenna Wire
by "Bruce Shaw AG4NY" <ag4ny@ivwnet.com>
- 18) [142803] MERRY CHRISTMAS
by "Pastor-kc1di" <elbc2@ghi.net>
- 19) [142804] Re: OT: CD-RW Help

by "Frank Emens" <femens@hiwaay.net>

20) [142805] Re: CD-RW Help
by "John J. McDonough" <wb8rcr@arrl.net>

21) [142806] Re: OT: CD-RW Help
by Dave Hottell <hottell@gulftel.com>

22) [142807] Mother board cap problem
by Dave Marling <ve1vq@auracom.com>

23) [142808] OT: Need advice on computer upgrade (somewhat lengthy)
by Mark Fields <mark_ke5my@juno.com>

24) [142809] Re: OT: CD-RW Help
by "Mike Yetsko" <myetsko@insydesw.com>

25) [142810] Re: sneak....P-R-E-V-I-E-W !... DSWTUN03
by "John McClain" <digi2@earthlink.net>

26) [142811] RockMite Operating Proposal de AL7FS
by Jim Larsen - AL7FS <jimlarsen2002@alaska.net>

27) [142812] Christmas Greetings
by Fred Lesnick <flesnick@tbaytel.net>

28) [142813] HB: Help me test a Toroid calculation program
by "w8diz" <w8diz@fpqrp.com>

29) [142814] Re: Hacking the NJQRP/K8IQY PVX0
by Pat Byers <pbyers@rttinc.com>

30) [142815] Re: Need advice on computer upgrade (somewhat lengthy)
by "Paul Mills" <quahog@localnet.com>

31) [142816] OT Windows XP HELP
by "KL7FDQ, Wayne Leman" <KL7FDQ@rangeweb.net>

32) [142817] Re: Hacking the NJQRP/K8IQY PVX0
by "Merton Nellis" <mertnellis@msn.com>

33) [142818] Re: Class E amp = Cold Fusion?
by Lenny Wintfeld <w2bvvh@comcast.net>

34) [142819] Anyone In The US or VE Want To Listen For Me Now On 14.059.0
by "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>

35) [142820] Re: Anyone In The US or VE Want To Listen For Me Now On 14.059.0
by "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>

36) [142821] RE: Anyone In The US or VE Want To Listen For Me Now On 14.059.0
by "Emmerson Bigguns" <n8ie@woh.rr.com>

37) [142822] Re: OT Windows XP HELP
by John Sullivan <kg0mz@swbell.net>

38) [142823] THANKS TO ALL WHO TRIED.....BUT FAILED....!!! BAD CNDX ..OR ..BAND
CLOSED
by "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>

39) [142824] Re: sneak....P-R-E-V-I-E-W !... DSWTUN03
by "Bill, N4QA" <n4qa@hotmail.com>

40) [142825] Re: OT: CD-RW Help
by <sjolin@swbell.net>

41) [142826] re: books
by Ted Buckley <tedb@aracnet.com>

42) [142827] Re: CD-RW Help
by <sjolin@swbell.net>

43) [142828] ANYONE IN THE US OR VE....LISTEN UP....!! IT'S HAPPENIN' TOMMOROW
22-12-02 ON 14.059.0 +-
by "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>
44) [142829] Re: FOX: K3ESE Log 1.0 : The World v. Karl Larsen
by Lloyd Lachow <llachow@yahoo.com>
45) [142830] Re: Help me test a Toroid calculation program
by "w8diz" <w8diz@fpqrp.com>
46) [142831] OT - Motherboard cap replacement
by David Castor <dpcastor@attbi.com>
47) [142832] Re: CD-RW Help
by <sjolin@swbell.net>
48) [142833] Re: RTFM - Think of this...
by Fran Flynn <fflynn@adelphia.net>
49) [142834] Re: Class E
by Fran Flynn <fflynn@adelphia.net>
50) [142835] OT Help CD/RW
by "W2WU" <w2wurjj@verizon.net>
51) [142836] Re: Class E
by Steven Weber <kd1jv@moose.ncia.net>
52) [142837] TT Nor'easter kit
by Steven Weber <kd1jv@moose.ncia.net>
53) [142838] SINGLE LETTER MARKERS . . .
by John R Kirby <n3aaz-qrp@juno.com>
54) [142839] Subject: Technical to Crap Ratio #2
by John R Kirby <n3aaz-qrp@juno.com>
55) [142840] Re: OT - Capacitor Replacement - Computer Motherboard
by "John" <jdorson@worldshare.net>
56) [142841] Re: Class E
by "Leon Heller" <leon_heller@hotmail.com>
57) [142842] Re: CD-RW Help
by "John J. McDonough" <wb8rcr@arrl.net>
58) [142843] Re: OT Help CD/RW
by "John J. McDonough" <wb8rcr@arrl.net>
59) [142844] Help needed -repair
by N4SKS@cs.com
60) [142845] Re: OT - Capacitor Replacement - Computer Motherboard
by "Lee Mairs" <lmairs@direcway.com>
61) [142846] Re: Anyone In The US or VE Want To Listen For Me Now On 14.059.0
by Fred Lesnick <flesnick@tbaytel.net>
62) [142847] For Sale:
by "Gene Sailsbury" <gsailsbury@mobil1.net>
63) [142848] Re: OT - Capacitor Replacement - Computer Motherboard
by "Mark Andrews \ (KE4IOF\)" <KE4IOF@KE4IOF.com>
64) [142849] Re: OT - Capacitor Replacement - Computer Motherboard
by "Bud Haynes" <BudHaynes@peoplepc.com>
65) [142850] Re: OT - Capacitor Replacement - Computer Motherboard
by "Lee Mairs" <lmairs@direcway.com>
66) [142851] Re: OT: Need advice on computer upgrade (somewhat lengthy)

- by "Dave Ek" <ekdave@earthlink.net>
- 67) [142852] Re: step drill and Altoids tins
by "Ron Polityka" <wb3aal@fast.net>
- 68) [142853] Atlas Rigs....Re: Help needed -repair
by ve3ab@mail.mondenet.com
- 69) [142854] Re: OT: Need advice on computer upgrade (somewhat lengthy)
by "John J. McDonough" <wb8rcr@arrl.net>
- 70) [142855] Re: OT: Need advice on computer upgrade (somewhat lengthy)
by "Dave Ek" <ekdave@earthlink.net>
- 71) [142856] RE: OT: Need advice on computer upgrade (somewhat lengthy)
by "Michael Bower N4NMR" <bowerm@ix.netcom.com>
- 72) [142857] Re: RTFM - Think of this as well...
by Ted Buckley <tedb@aracnet.com>
- 73) [142858] RE: OT - Capacitor Replacement - Computer Motherboard
by "Glenn Butzlaff" <gbutzlaff@wi.rr.com>
- 74) [142859] Re: Class E
by Chris Cartwright <ccart@phideaux.com>
- 75) [142860] HB: Ti(n)s the season again....a little longish
by "Rex Harper" <w1rex@megalink.net>
- 76) [142861] Antenna here is Xmas tree lights
by Jim Cluett <w1pid@yahoo.com>
- 77) [142862] Re: New Altoids Flavor???
- by Alex <kr1st@amsat.org>
- 78) [142863] Fox - Winter Fox Hunt TeamsResults.
by Bruce Rattray <rattray@gpfn.sk.ca>
- 79) [142864] Re: Antenna here is Xmas tree lights
by "brian" <brian@iquest.net>
- 80) [142865] 23 dB gain - Class E and Norcal 40A articles series
by John Harper AE5X <ae5x@qsl.net>
- 81) [142866] This list is falling apart
by "Karl F. Larsen" <k5di@zianet.com>
- 82) [142867] Re: step drill and Altoids tins
by "Bob Tellefsen" <n6wg@earthlink.net>
- 83) [142868] Re: 23 dB gain - Class E and Norcal 40A articles series
by "brian" <brian@iquest.net>
- 84) [142869] Need WAS help
by "brian" <brian@iquest.net>
- 85) [142870] Re: 23 dB gain - Class E and Norcal 40A articles series
by John Harper AE5X <ae5x@qsl.net>
- 86) [142871] Re: Autek WM-1 Help
by "William Phinizy" <k6whp@verizon.net>
- 87) [142872] Recommendation for torroids
by Michael Clark <mdc@oldboy.net>
- 88) [142873] Re: Class E
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 89) [142874] Re: 23 dB gain - Class E and Norcal 40A articles series
by John Harper AE5X <ae5x@qsl.net>
- 90) [142875] Re: Recommendation for torroids

- by "brian" <brian@iquest.net>
- 91) [142876] Re: Mother board cap problem
by Jerry Lofstead <w3cde@bellsouth.net>
- 92) [142877] Re: Class E
by Chris Cartwright <ccart@phideaux.com>
- 93) [142878] Re: This list is falling apart
by William R Colbert <w5xe@juno.com>
- 94) [142879] Got data but Class B, not Class E
by "Karl F. Larsen" <k5di@zianet.com>
- 95) [142880] RE: Hacking the NJQRP/K8IQY PVX0
by Nick Kennedy <nkennedy@tcainternet.com>
- 96) [142881] Re: OT: Need advice on computer upgrade (somewhat lengthy)
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 97) [142882] RE: Recommendation for torroids
by Nick Kennedy <nkennedy@tcainternet.com>
- 98) [142883] Re: This list is falling apart
by "W2BJ" <w2bj@minsky.info>
- 99) [142884] Re: step drill and Altoids tins
by "Jim Stamper" <jstamper@shentel.net>
- 100) [142885] Re: OT: Need advice on computer upgrade (somewhat lengthy)
by "brian" <brian@iquest.net>
- 101) [142886] Re: Antenna here is Xmas tree lights
by "Bill, N4QA" <n4qa@hotmail.com>
- 102) [142887] Merry Christmas, QQ, and thanks
by <mgoins@usa.net>
- 103) [142888] RE: Recommendation for torroids
by "Leon Heller" <leon_heller@hotmail.com>
- 104) [142889] Holiday mw Contest QRPp
by Wayne Rogers <w5kdj@juno.com>
- 105) [142890] Switching Amplifiers (Classes D, E, F, S etc.)
by "Chris Trask" <chistrask@earthlink.net>
- 106) [142891] Re: 23 dB gain - Class E and Norcal 40A articles series
by Chris Cartwright <ccart@phideaux.com>
- 107) [142892] WAS hunt continues
by "brian" <brian@iquest.net>
- 108) [142893] WTD:A NICE KIND GENTLEMEN OR XYL....WITH ALTOIDS ON THEIR MINDS....!!
by "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>
- 109) [142894] Re: Holiday mw Contest QRPp
by "Jerry Hall, =?ISO-8859-1?Q?W=D8PWE"?= <lugehall@hotmail.com>
- 110) [142895] Re: Class E
by "George Heron N2APB" <n2apb@erols.com>
- 111) [142896] Christmas
by w6ors@juno.com
- 112) [142897] HB: Toroid Calculator update
by "w8diz" <w8diz@fpqrp.com>
- 113) [142898] Re: Mast Guy question
by Bill Coleman <aa4lr@arrl.net>
- 114) [142899] RE: A NICE KIND GENTLEMEN OR XYL....WITH ALTOIDS ON THEIR MINDS....!!

by "Sverre Holm - LA3ZA" <la3za@qsl.net>
115) [142900] RE: Switching Amplifiers (Classes D, E, F, S etc.)
by "Sverre Holm - LA3ZA" <la3za@qsl.net>
116) [142901] Re: OT Help CD/RW
by "Mike Yetsko" <myetsko@insydesw.com>
117) [142902] Re: Nao JA6PA on 21.060 lookin fer calls at 23:35 UTC
by "Ron Polityka" <wb3aal@fast.net>
118) [142903] LA all QRP
by Larry Cahoon <lejek@erols.com>

Date: Sat, 21 Dec 2002 17:02:39 -0700
From: "Chris Trask" <chistrask@earthlink.net>
To: <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142786] Re: Class E Amp??
Message-ID: <01ef01c2a94d\$723a6240\$68873a41@ctrask>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

On Saturday, December 21, 2002 4:14 PM Karl F. Larsen blindly wrote:

>
> Well lets see, from the dim past with tubes, a Class A amplifier
> has the same plate current flowing regardless of the exitation. Class B
> is well defined as an amp with plate current flowing 50% of the time
> exitation is applied. Class C is when plate current flows only for a
> small part of the exitation cycle, like 1/4 of a cycle is typical.
>
> Class D I have never heard of. Or Class E for that matter. Been
> retired from the field for 10 years. Is this new?
>

No, not new at all. They were first described in 1936, and patented in 1958. Class D is used for low-power (less than 1KW) AMBC transmitters and some large audio amplifiers. Class F is sometimes used for high power FM transmitters and some satellite applications.

Chris

,-----. / What's all this \ / extinct stuff, anyhow? / _-----' _ /	High Performance Mixers and Amplifiers for RF Communications Chris Trask / N7ZWY Principal Engineer
--	--

Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

Email: christrask@earthlink.net
<http://www.home.earthlink.net/~christrask>

Date: Sat, 21 Dec 2002 19:18:16 -0500
From: Jerry Lofstead <w3cde@bellsouth.net>
To: unlisted-recipients:; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [142788] Re: OT - Capacitor Replacement - Computer Motherboard
Message-ID: <3E0504C8.27EE0392@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

With the industry wide problem, it might not be the time to buy. I would wait 6 months for the stuff in the pipeline to get out...

Jerry
W3CDE

Lee Mairs wrote:

>
> David -
> With all the problems and "time sinks" that a faulty mother board can
> generate down the line, I'd not waste time and/or money on this one. It is
> time for a new motherboard.
> 73 de Lee
> km4yy
>
> PS Check the deals at www.tigerdirect.com. No yadi yadi and not even a
> satisfied customer. In fact, I'm battling them over a Paypal payment
> return, but the prices look good...
>
> ----- Original Message -----
> From: "David Castor" <dpcastor@attbi.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Saturday, December 21, 2002 5:36 PM
> Subject: OT - Capacitor Replacement - Computer Motherboard
>
> > After several months of intermittent problems, I finally took my PC apart
> > for a closer look. I found a huge number of failed electrolytic caps on
> my
> > ABIT motherboard. These have blown out and leaked all over the place.
> What
> > a mess.
> >
> > Since it is out of warranty, I am wondering how difficult it would be to
> > replace these caps myself. I'm just not sure what complications are
> caused
> > by trying to desolder on the multi-layer PCB.
> >
> > The mobo has about 40 of these caps, and about half already show signs of
> > leaking or bulging, so I'm figuring to replace them all.
> >
> > Any advice on working on motherboards?
> >
> > BTW, I did a little research and found that this is a known problem, not
> > just with ABIT and not just with motherboards. Apparently, there are
> large
> > numbers of capacitors from Taiwan that have defective electrolyte. These

> > are appearing in consumer electronics all over the place. I read that
> Ford
> > and Bose were having mass failures in their car radios and amplifiers.
> >
> > But my next motherboard won't be ABIT.
> >
> > Thanks in advance,
> >
> > Dave - K7EL
> >
> >

Date: Sat, 21 Dec 2002 15:19:12 -0900
From: Jim Larsen - AL7FS <jimlarsen2002@alaska.net>
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>,
RockMite List <Rock-Mite_Group@yahooogroups.com>
Subject: [142789] Time to check for RockMites on 20 meters
Message-ID: <3E050500.7070001@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

0019Z and heading to the radio to look for RM contacts. I will be using the
K2 on the KLM KT34A beam at 40 feet.

I will be calling CQ RM de AL7FS

When I finally get my RM finished I will use CQ RM de AL7FS/RM

If I am not sending the /RM I am not on a RockMite...A few email comments
suggest I have caused minor confusion with my CQ RM.

73, Jim

--

Jim Larsen, AL7FS
Anchorage, Alaska
<http://www.qsl.net/al7fs/>

Date: Sat, 21 Dec 2002 19:21:17 -0500
From: "Brian Riley (maillist)" <n1bq_list@wulfdan.org>
To: <baltimoremd@baltimoremd.com>,

Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [142790] Re: Off Topic: Our Education System
Message-ID: <BA2A6FAD.459A%n1bq_list@wulfden.org>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Amen!

I am afraid too many of us in the teaching profession are bailing out our respective Titanics with a thimble ... I gave up saving the world along time ago and hunkered down to saving those few small pieces of it that I can.

The shame of it all is that here in my district, in NW VT, the handful of top students are getting a great education and the bottom end students are getting enormous amounts of manpower and money thrown at their situation. Many of them are even succeeding ... But the average students are left to survive on their own. There are just too many of them and all the money has gone to the top and bottom ends. These are the students who with just a bit of extra attention could rise well above their mediocrity. From a hard-line bean counter's perspective they would yield a much greater return on a dollar's investment!

This isn't idle speculation. My boss and I have found a way this year to throw some attention at a couple of dozen of these students who are just above the bottom end students and we are seeing wonderful results. The Catch-22 of course is that those wonderful results will cause them to be elevated up and out of our bailiwick by year's end, leaving them to have to tread water alone once again ... Sigh!

On 12/20/02 19:35, "Thom LaCosta" <baltimoremd@baltimoremd.com> wrote:

> On Fri, 20 Dec 2002, Doug Hendricks wrote:
>
>> I am a teacher. I teach because I love working with kids, always have and
>> always will. My salary is fine.
>
> I teach, I enjoy making a postive change in how someone functions in the
> world. I am underpaid.
>
>
> Come to Baltimore...you will eat your words about how fine the kids are
> doing, the quality of education, the regard attributed to teachers.
>
> You are very fortunate if your situation is as described. I'm afraid it
> does NOT mirror conditions in many urban areas.

>
> Thom
>
> baltimoremd@baltimoremd.com Thom LaCosta K3HRN Webmaster
> http://www.baltimoremd.com/ Baltimore's Home Page
> http://www.baltimorehon.com/ Home of the Baltimore Lexicon
> http://www.zerobeat.net Home of The QRP Web Ring and DrakeList
> http://www.tlchost.net Web Hosting as low as \$3.49/month
>
>

Date: Sat, 21 Dec 2002 19:27:07 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <lmairs@direcway.com>
Subject: [142791] Re: OT - Capacitor Replacement - Computer Motherboard
Message-ID: <00c301c2a950\$dea49100\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Whether it's time to buy or not, I suspect a new motherboard is going to be in the same price neighborhood as 40 electrolytics, unless, of course, this is the latest and greatest super fast rig.

72/73 de WB8RCR http://www.qsl.net/wb8rcr
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----
From: "Lee Mairs" <lmairs@direcway.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, December 21, 2002 6:14 PM
Subject: Re: OT - Capacitor Replacement - Computer Motherboard

> David -
> With all the problems and "time sinks" that a faulty mother board can
> generate down the line, I'd not waste time and/or money on this one. It
is
> time for a new motherboard.
> 73 de Lee
> km4yy
>
> PS Check the deals at www.tigerdirect.com. No yadi yadi and not even a

> satisfied customer. In fact, I'm battling them over a Paypal payment
> return, but the prices look good...
>
>
> ----- Original Message -----
> From: "David Castor" <dpcastor@attbi.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Saturday, December 21, 2002 5:36 PM
> Subject: OT - Capacitor Replacement - Computer Motherboard
>
>
> > After several months of intermittent problems, I finally took my PC
apart
> > for a closer look. I found a huge number of failed electrolytic caps on
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> >
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of
> > leaking or bulging, so I'm figuring to replace them all.
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> > BTW, I did a little research and found that this is a known problem, not
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These
> > are appearing in consumer electronics all over the place. I read that
> Ford
> > and Bose were having mass failures in their car radios and amplifiers.
> >
> > But my next motherboard won't be ABIT.
> >
> > Thanks in advance,
> >
> > Dave - K7EL
> >
> >
>

Date: Sat, 21 Dec 2002 19:26:32 -0500
From: "brian" <brian@iquest.net>
To: <WD8CIV@worldnet.att.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [142792] Re: RF Exposure through Plastic Cases?
Message-ID: <004d01c2a950\$c7f31670\$41642bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave,

Go to Home Depot, heating and cooling department...they sell aluminum tape (not duct tape) with a very aggressive adhesive. Sounds like what you found, but you can buy this version in widths as wide as 6 inches.

I have seen solar ovens made with this tape and a cardboard Xerox paper box. Works very well in that application.

I wonder if you could lay it down on cardboard and use it as cheap PCB for Manhattan prototyping...hmmmm....

73 de KB9BVN

----- Original Message -----

From: "David Hinerman" <WD8CIV@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, December 21, 2002 2:21 PM
Subject: Re: RF Exposure through Plastic Cases?

>
> >I have heard that some people paint the inside of the ZM-2 with a
> >conductive paint. You could then make some method of contact from
the
> > painted inside of the ZM-2 to the faceplate. Optionally, a person
could
> > buy some brass shim stock (or use aluminum foil glued on with spray
> > contact cement) and line the inside of the plastic case with that -
again
> > making contact with the face plate in some manner.
>
> Folks,

>
> I ran across some adhesive aluminum tape in the automotive section
at Wally
> World. It seems to be a really heavy foil with a pretty aggressive
adhesive.
> It's about 2 inches wide, and I think it's made by 3M.
>
> Has anyone used it? I thought about shielding my electric guitar's
> circuitry with it.
>
> Dave
>
> -----
> "An optimist says the glass is half full. A pessimist says the glass
is
> half empty. An engineer says you could have used a smaller glass."
> -----
> Dave Hinerman
> WD8CIV@att.net
>
>
>

Date: Sat, 21 Dec 2002 19:30:43 -0500
From: "Brian Riley (maillist)" <n1bq_list@wulfden.org>
To: <JClinton46@aol.com>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [142793] Re: Off Topic: Our Education System
Message-ID: <BA2A71E3.45A1%n1bq_list@wulfden.org>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

On 12/21/02 0:11, "JClinton46@aol.com" <JClinton46@aol.com> wrote:

> Ham radio has a similar makeup. I am sure some got their Extra by memorizing
> the questions and answers while others knew the material. (I actually find it
> too difficult to memorize answers.) Perhaps the real question is what the ham
> does after (s)he passes the exam.

.... Ahhhhhh There it is ... That last sentence says it all ... To my
way of thinking that is the core of the issue What does he do with it
once he(she) has it????

Cheers ... 73 de brian, n1bq

Date: Sat, 21 Dec 2002 19:45:33 -0500
From: John Harper AE5X <ae5x@qsl.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [142794] Re: Class E Amp??
Message-ID: <000301c2a953\$70ac1260\$6401a8c0@Home>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

<http://www.netway.com/~stevec/ham/classe.htm#6fet>

John Harper AE5X
Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>

Date: Sat, 21 Dec 2002 19:48:03 -0500
From: Jerry Lofstead <w3cde@bellsouth.net>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [142795] Re: OT - Capacitor Replacement - Computer Motherboard
Message-ID: <3E050BC3.102B468F@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John,

If you buy one now, you will get the same faulty electrolytics on it. It is an industry wide problem and its going to cost \$\$\$\$\$\$\$\$\$\$ to resolve it. These bad electrolytics are in the pipeline world wide, just waiting for the proper number of power on hours to go Poof!... Some businesses are hoping that they do not go out of business because of the problem.

Jerry
W3CDE

"John J. McDonough" wrote:

>
> Whether it's time to buy or not, I suspect a new motherboard is going to be
> in the same price neighborhood as 40 electrolytics, unless, of course, this
> is the latest and greatest super fast rig.

>
> 72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
> didileydadidah QRP-L #1446 Code Warriors #35

>
> ----- Original Message -----

> From: "Lee Mairs" <lmairs@direcway.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Saturday, December 21, 2002 6:14 PM
> Subject: Re: OT - Capacitor Replacement - Computer Motherboard

>
> > David -
> > With all the problems and "time sinks" that a faulty mother board can
> > generate down the line, I'd not waste time and/or money on this one. It
> > is
> > time for a new motherboard.
> > 73 de Lee
> > km4yy

> >
> > PS Check the deals at www.tigerdirect.com. No yadi yadi and not even a
> > satisfied customer. In fact, I'm battling them over a Paypal payment
> > return, but the prices look good...

> >
> > ----- Original Message -----

> > From: "David Castor" <dpcastor@attbi.com>
> > To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> > Sent: Saturday, December 21, 2002 5:36 PM
> > Subject: OT - Capacitor Replacement - Computer Motherboard

> >
> > > After several months of intermittent problems, I finally took my PC
> > apart
> > > for a closer look. I found a huge number of failed electrolytic caps on
> > my
> > > ABIT motherboard. These have blown out and leaked all over the place.
> > What
> > > a mess.

> > >
> > > Since it is out of warranty, I am wondering how difficult it would be to
> > > replace these caps myself. I'm just not sure what complications are
> > > caused
> > > by trying to desolder on the multi-layer PCB.

> > >

> > > The mobo has about 40 of these caps, and about half already show signs
> of
> > > leaking or bulging, so I'm figuring to replace them all.
> > >
> > > Any advice on working on motherboards?
> > >
> > > BTW, I did a little research and found that this is a known problem, not
> > > just with ABIT and not just with motherboards. Apparently, there are
> > large
> > numbers of capacitors from Taiwan that have defective electrolyte.
> These
> > > are appearing in consumer electronics all over the place. I read that
> > Ford
> > > and Bose were having mass failures in their car radios and amplifiers.
> > >
> > > But my next motherboard won't be ABIT.
> > >
> > > Thanks in advance,
> > >
> > > Dave - K7EL
> > >
> > >
> > >
> >

Date: Sat, 21 Dec 2002 19:56:23 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <w3cde@bellsouth.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [142796] Re: OT - Capacitor Replacement - Computer Motherboard
Message-ID: <002201c2a954\$ff08a9a0\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> With the industry wide problem, it might not be the time to
> buy. I would wait 6 months for the stuff in the pipeline to
> get out...

I first heard of the 'cap' problem quite some time ago. Not sure
when, but I think as long as the spring. I don't think before last
January.

Thing is, there were caps on motherboards that showed the problem,
but there were millions of parts in 'pipelines' mixed with good parts

and no way to really tell them apart easily.

I'm not sure that the pipeline would be clean now. I'm not sure even when I'd feel comfortable it WOULD be clean.

Mike

Date: Sat, 21 Dec 2002 18:58:56 -0600
From: <sjolin@swbell.net>
To: "Qrp-1 Reflector" <qrp-1@Lehigh.EDU>
Subject: [142797] OT: CD-RW Help
Message-ID: <0a5a01c2a955\$51505a50\$78d1fea9@DaveSjolin>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Help! I have a CD-RW drive that I have no trouble writing or reading CDs with on my desktop machine. However when I insert these in my IBM thinkpad laptop, the CD can not be read unless recorded in CD-R format, not CD-RW. The computer acts as though the CD and the Drive D is not there. However, whenever I insert a commercially generated CD or a CD formatted as CD-R, it is perfectly readable and works.

I believe I have two ways of generating CD's with my computer. One is DirectCD which I can create by sending files to drive D with my right mouse click and then burn the CD. The other is using Roxio Easy CD Creator V. Neither has resulted in anything that I can transfer from one machine to another. Am I missing something? If there is a way to read CD-RW formatted CD on non CD-RW drive let me know.

Im using Windows XP on the desktop and Windows 98 on the laptop. Please no switch to Linux recommendations. It's not going to happen.

Thanks in advance.
Merry Christmas

de Dave, NOIT

Date: Sat, 21 Dec 2002 20:04:28 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <sjolin@swbell.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [142798] Re: CD-RW Help
Message-ID: <003201c2a956\$15b41440\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> with on my desktop machine. However when I insert these in my IBM
thinkpad
> laptop, the CD can not be read unless recorded in CD-R format, not
CD-RW.
> The computer acts as though the CD and the Drive D is not there.
However,
> whenever I insert a commercially generated CD or a CD formatted as CD-R,
it
> is perfectly readable and works.
>
> I believe I have two ways of generating CD's with my computer. One is
> DirectCD which I can create by sending files to drive D with my right
mouse
> click and then burn the CD. The other is using Roxio Easy CD Creator V.
> Neither has resulted in anything that I can transfer from one machine to
> another. Am I missing something? If there is a way to read CD-RW
formatted
> CD on non CD-RW drive let me know.
>
> Thanks in advance.
> Merry Christmas
>
> de Dave, N0IT

CD-RW is NOT a 'generic' format. A while back, a lot of the CD-RW
stuff required a special format to handle the 'interactive' nature of the
format.

If you want to read the disk in another machine, you need to have the
driver for that file structure installed on the machine you want to use it
on.

You can still use RW media on the machine, just record it in the
standard format, NOT in the special RW format.

That's one of the reasons I never used RW formats.

Mike

Date: Sat, 21 Dec 2002 20:27:04 -0500
From: Ed Lawson (K1VP) <k1vp@grizzly.com>
To: sjolin@swbell.net
Cc: qrp-1@Lehigh.EDU
Subject: [142799] Re: OT: CD-RW Help
Message-ID: <20021221202704.45c8ef25.k1vp@grizzly.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

On Sat, 21 Dec 2002 18:58:56 -0600
<sjolin@swbell.net> wrote:

> Help! I have a CD-RW drive that I have no trouble writing or reading CDs
> with on my desktop machine. However when I insert these in my IBM thinkpad
> laptop, the CD can not be read unless recorded in CD-R format, not CD-RW.

> Im using Windows XP on the desktop and Windows 98 on the laptop. Please no
> switch to Linux recommendations. It's not going to happen.
>

Sorry to hear this. It would make answering the question easier as I know more
about Linux than

Win whatever. Anyway, check to make sure you are not burning multisession CDs.
If you are, then some CD drives will not recognize the CD because it cannot find
the info it is expected on the CD where it expects it and it will give up. There
might be a reference to "fixating" the CD after burning which is essentially
what needs to happen.

Some CD drives will have a hard time with CD-RW disks and that might be the
problem. I am unaware of a CD-RW format. I suspect that means a multisession CD
which is consistent with my advice. There is no reason a CD-RW disk cannot be
written to and made a single session CD which might be referred to as a CD-R
format. Hope this helps.

Ed Lawson
K1VP

Date: Sat, 21 Dec 2002 19:13:07 -0600
From: "George, W5YR" <w5yr@att.net>
To: <aa5tb@arrl.net>,

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142800] Re: New Altoids Flavor???
Message-ID: <01cc01c2a957\$52b77980\$0201a8c0@fairviewtx.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Steve, at my age your wife buys you cinnamon Altoids with cinnamon sticks on the lid! <:}

73/72, George
Amateur Radio W5YR - the Yellow Rose of Texas
In the 57th year and it just keeps getting better!
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
K2 #489 IC-765 #2349 IC-756 PRO #2121 IC-756 PRO2 #03235

----- Original Message -----
From: "Stephen Yates" <aa5tb@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, December 21, 2002 4:53 PM
Subject: Re: New Altoids Flavor???

> I personally like the cinnamon flavored Altoids with the babe in a red dress
> on the tin! And my wife bought them for me - gotta luv her! It would make
> a nice case for a "red hot 20" or something.
>
> 73,
> Steve Yates - AA5TB
>
> <http://www.qsl.net/aa5tb/>
>
>

Date: 21 Dec 2002 20:18:14 -0500
From: neil <ntan@crosslink.net>
To: qrp-1@Lehigh.EDU
Subject: [142801] Re: merry xmas
Message-ID: <1040519896.1603.1.camel@localhost.localdomain>
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Mime-Version: 1.0

whoops! left off the 'q' at the end of my call.....
agn Merry Christmas
72
de Neil wa4chq
^

Date: Sat, 21 Dec 2002 19:59:16 -0500
From: "Bruce Shaw AG4NY" <ag4ny@ivwnet.com>
To: <kd1jv@moose.ncia.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142802] Re: Antenna Wire
Message-ID: <00a701c2a958\$29b2e000\$7ee4e243@ivw3293world.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Also watch for 'clearance' items at Home Depot. About a year ago I bought a 500' roll of brown vinyl coated 12 g. and a 500 ft roll of 14 g. for \$ 5.00 each!

Bruce Shaw
AG4NY

-----Original Message-----

From: Steven Weber <kd1jv@moose.ncia.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Saturday, December 21, 2002 2:25 PM
Subject: Re: Antenna Wire

>Don't forget your local electrical supply distributer. I bought a 500 ft
>spool of #16 stranded "fixture wire" for about \$15.00 at mine. Make a lot
>of dipoles or a good sized loop with that much wire:-)

>

>

>

>72,

>Steve, KD1JV

>"Melt Solder"

>White Mountains of New Hampshire

><http://www.qsl.net/kd1jv/>

>

Date: Sat, 21 Dec 2002 20:23:41 -0500 (Eastern Standard Time)
From: "Pastor-kc1di" <elbc2@gwi.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142803] MERRY CHRISTMAS
Message-ID: <3E05141D.000003.01764@DOR>
MIME-Version: 1.0
Content-Type: Text/Plain
Content-Transfer-Encoding: quoted-printable

Want to wish each of you a merry Christmas =0D
73 Dave kc1di =0D
=20

Date: Sat, 21 Dec 2002 19:30:01 -0600
From: "Frank Emens" <femens@hiwaay.net>
To: k1vp@grizzly.com
Cc: qrp-1@lehigh.edu
Subject: [142804] Re: OT: CD-RW Help
Message-ID: <3E04C139.7850.C60078@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 21 Dec 2002 at 20:27, K1VP wrote:

> On Sat, 21 Dec 2002 18:58:56 -0600
> <sjolin@swbell.net> wrote:
>
> > Help! I have a CD-RW drive that I have no trouble writing or reading CDs
> > with on my desktop machine. However when I insert these in my IBM thinkpad
> > laptop, the CD can not be read unless recorded in CD-R format, not CD-RW.
>
>
> > Im using Windows XP on the desktop and Windows 98 on the laptop. Please no
> > switch to Linux recommendations. It's not going to happen.
> >
>

No need to get into operating systems here. You don't say how old the laptop is.
Many earlier CD drives will not read a CDRW disk. The dyes used in CDRWs are
different and current drives use a different laser frequency to gain compatibility
with

CDRWs, Your alternatives would seem to be either replace the drive in your thinkpad with one of current manufacture or use CDRs. At the current prices, using CDRs and trashing them when done could be a reasonable solution.

There could be some other reason for you problem, but I'd bet you have a CD drive that is simply not compatible with CDRW media.

Date: Sat, 21 Dec 2002 20:34:36 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: <sjolin@swbell.net>,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [142805] Re: CD-RW Help
Message-ID: <001d01c2a95a\$4da365a0\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dave,

There are 2 things going on here, you weren't real explicit in your post, so it's not entirely clear what you are and aren't doing. A couple of things to be aware of.

First, the media. Not all drives can read CDRW media. I suspect that your Thinkpad is new enough, but when you say "recorded in CD-R format" do you mean you have taken a CDRW media and written it in CD-R format? If so, then the Thinkpad drive is capable of reading the CDRW media. Your comment about "commercially generated CD" was a tad confusing since I know of no commercially recorded CDs which are recorded on CDRW media.

It is important to understand that there are CD, CD-R, and RD-RW which are all very different media. Your CD burner can read all 3 and write the last 2. Very old drives can't read the last 2, and old drives can't read the last one.

OK, the other part is the format, and I think this is where you are having the problem. There are a number of "standard" formats, the most generic being ISO-9660, which can be read by almost anyone. Windows specific formats have cute names like "Romeo" and "Joliet". These can be read by appropriate Windows machines, and most Linux machines.

Now DirectCD is a whole 'nuther can of worms. This is a special format that needs a special driver that was installed when you installed your CD burner

software. Without that driver, the Thinkpad won't be able to read the special, proprietary format. It shouldn't matter whether you write on a CD-R or a CD-RW, without the driver the data is invisible. I believe that there is now an industry standard rewritable format, and I think Easy CD Creator 5 can write it, but it's going to need a driver that's not in Windows 98 (but probably is in XP).

If your CD burner included Windows 98 software, installing DirectCD on the Thinkpad should allow it to read the CD-RW's you create on the desktop. However, the install may be set so it won't install unless it senses the CD burner it was sold with.

Hope this helps.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: <sjolin@swbell.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Saturday, December 21, 2002 7:58 PM

Subject: OT: CD-RW Help

> Help! I have a CD-RW drive that I have no trouble writing or reading CDs
> with on my desktop machine. However when I insert these in my IBM thinkpad
> laptop, the CD can not be read unless recorded in CD-R format, not CD-RW.
> The computer acts as though the CD and the Drive D is not there. However,
> whenever I insert a commercially generated CD or a CD formatted as CD-R,
> it
> is perfectly readable and works.
>
> I believe I have two ways of generating CD's with my computer. One is
> DirectCD which I can create by sending files to drive D with my right
> mouse
> click and then burn the CD. The other is using Roxio Easy CD Creator V.
> Neither has resulted in anything that I can transfer from one machine to
> another. Am I missing something? If there is a way to read CD-RW formatted
> CD on non CD-RW drive let me know.
>
> Im using Windows XP on the desktop and Windows 98 on the laptop. Please no
> switch to Linux recommendations. It's not going to happen.
>
> Thanks in advance.
> Merry Christmas
>

> de Dave, NOIT

>

>

>

>

Date: Sat, 21 Dec 2002 19:46:31 -0600

From: Dave Hottell <hottell@gulftel.com>

To: sjolin@swbell.net,

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [142806] Re: OT: CD-RW Help

Message-ID: <3.0.6.32.20021221194631.00d631e0@pop.gulftel.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Dave,

I second Frank's view. The reflectance of the material on a CD RW is not high as that of the commercially made or CD R disks. If the drive is not CD RW compatible, there is not enough light being reflected from the disk for the detector on the CD drive to read the info. If this is the problem, the only solution is to replace the drive. If the drive is CD RW compatible, it should say so either on the drive itself or in the manual. If it does not specifically say it is CD RW compatible, it probably is not.

73,

Dave

AB9CA

At 06:58 PM 12/21/02 -0600, you wrote:

>Help! I have a CD-RW drive that I have no trouble writing or reading CDs
>with on my desktop machine. However when I insert these in my IBM thinkpad
>laptop, the CD can not be read unless recorded in CD-R format, not CD-RW.

Date: Sat, 21 Dec 2002 21:49:34 -0400

From: Dave Marling <ve1vq@auracom.com>

To: qrp-1@Lehigh.EDU

Subject: [142807] Mother board cap problem

Message-ID: <5.1.0.14.0.20021221213548.01e47008@mail.auracom.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Over the last couple of months, as a sub-contractor for IBM, I've replaced several dozen mother boards with the electrolytic problem. To see if your board has a problem check the tops of the electrolytic capacitors, usually surrounding or near the processor chip. The trouble capacitors have either bulging tops alone or bulging tops combined with a residue of vented material along the vent lines. I have not found (or heard of) any case where the capacitor exploded. They simply bulge at the top or bulge and vent. In some cases the pc still worked, in others the first sign of trouble was intermittent operation .

Dave
VE1VQ

Date: Sat, 21 Dec 2002 19:44:31 -0600
From: Mark Fields <mark_ke5my@juno.com>
To: qrp-1@lehigh.edu
Cc: hqrp@stevens.com, fpqrp-1@mpna.com, klqrp@applegate.org
Subject: [142808] OT: Need advice on computer upgrade (somewhat lengthy)
Message-ID: <20021221.194954.-322667.1.mark_ke5my@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, everyone:

I have an old Dell computer that I want to upgrade, and need some advice on two of the mods that I want to do for the time being.

The first mod is to replace the 486DX33 processor with a 486DX2-66 chip. Will I need to change any of the jumpers on the motherboard, and if so, which ones? (This computer came without a manual.) While I have a manual for a 486 motherboard that I picked up recently, I would think that not all motherboards are alike, and what the manual says might or might not be correct for this one.

The other mod concerns the two floppy drives. Drive "A" is 5.25 inches, and drive "B" is 3.5 inches. I want to make the 3.5 drive to be drive "A". How do I go about doing this? Can I switch hookup cables? Or should I make changes in the system BIOS in SETUP mode? I want to load a later version of DOS than what it currently has, the computer won't

load from drive "B", and the DOS commands "ASSIGN" and "SUBSTITUTE" didn't work. I don't want to get rid of the 5.25-inch drive (or the computer, for that matter).

Thanks in advance for everyone's help.

73, Mark, KE5MY

Sign Up for Juno Platinum Internet Access Today
Only \$9.95 per month!
Visit www.juno.com

Date: Sat, 21 Dec 2002 20:51:27 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <femens@hiwaay.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142809] Re: OT: CD-RW Help
Message-ID: <009801c2a95c\$a5877ac0\$0300a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> No need to get into operating systems here. You don't say how old the laptop is.
> Many earlier CD drives will not read a CDRW disk. The dyes used in CDRWs are
> different and current drives use a different laser frequency to gain compatibility with
> CDRWs, Your alternatives would seem to be either replace the drive in your
> thinkpad with one of current manufacture or use CDRs. At the current prices, using
> CDRs and trashing them when done could be a reasonable solution.
>
> There could be some other reason for you problem, but I'd bet you have a CD drive
> that is simply not compatible with CDRW media.

I've not seen any ThinkPads that can't read the RW media. Yes, this is a real problem, but I don't think it's really the issue here. It's a real problem with a lot of the CD players in cars though...

Mike

Date: Sat, 21 Dec 2002 19:06:08 -0700
From: "John McClain" <digi2@earthlink.net>
To: <n4qa@hotmail.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [142810] Re: sneak....P-R-E-V-I-E-W !... DSWTUN03
Message-ID: <009801c2a95e\$b1acb160\$6601a8c0@laptop2>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Bill,

You might give us a quick description of what DSWTUN03 is and what it does because I have no idea.

John
K7SVV
k7svv@arrl.net
K1 #1378, K2 #2569, SST 20, Rock Mite 20, Rock Mite 40, Nor'Easter

----- Original Message -----

From: "Bill, N4QA" <n4qa@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Saturday, December 21, 2002 2:56 PM
Subject: sneak....P-R-E-V-I-E-W !... DSWTUN03

> I promised myself that I wouldn't begin writing code for DSWTUN03,
release
> 1.00 until after the new year (2003) has arrived...I'm just funny
that way.
> OK, DSWTUN03 is still a no-code <g> application but I thought that,
perhaps,
> some persons might like a glimpse of that which is to come...gosh,
hope this
> thing works :)
> So, I fired up the 'development PC'...its screen was solid green
until the
> red & blue guns got fired up...it's ALWAYS something...
> Anyway, I've been itching to get a few ideas on screen and start
getting
> serious about thinking this project through.
> It will be another relatively simple application and if you'd care
to take a

> gander, please do.
>
> 73.
> Bill, N4QA
> <http://www.qsl.net/n4qa/>
>
>
>
>
> -----
> Add photos to your e-mail with MSN 8. Get 3 months FREE*.
>
> <http://join.msn.com/?page=features/featuredemail&xAPID=42&PS=47575&PI=7324&DI=7474&SU=>
>
> http://www.hotmail.msn.com/cgi-bin/getmsg&HL=1216hotmailtaglines_addphotos_3mf
>

Date: Sat, 21 Dec 2002 17:33:21 -0900
From: Jim Larsen - AL7FS <jimlarsen2002@alaska.net>
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>,
RockMite List <Rock-Mite_Group@yahooogroups.com>
Subject: [142811] RockMite Operating Proposal de AL7FS
Message-ID: <3E052471.5000908@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

I have a proposal about operating or seeking RockMites. How about this?

As many of us are busy with lots to do we need to maximize the chance of a RockMite being on the air when we try to work with or work to a RockMite. I propose that we, in general, concentrate our listening and CQing around the hour and the half hour. Go for as long as you like even up to the full half hour to the next start time. I am going to use this technique for now. I may call CQ for the first 5 minutes of any time period I can get on and then leave and do more projects in the house and garage until the next period I can get free to operate.

This idea is not new and not even original but it may help if a higher percent of us try it. In short, AL7FS plans to concentrate on RMs from xx00z to xx05+Z and from xx30Z to xx35+Z on any day at any time of day.

Hoping to work more RockMites from Alaska...

73, Jim

Proud owner of the very first RockMite 20
shipped by Small Wonder Labs and
it still is not on the air. :-(

--

Jim Larsen, AL7FS
Anchorage, Alaska
<http://www.qsl.net/al7fs/>

Date: Sat, 21 Dec 2002 21:54:36 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: "'fpqrp@egroups.com'" <fpqrp@egroups.com>,
50mhz <50mhz@topica.com>, ALE COMMS <hf1ink@yahooogroups.com>,
Subject: [142812] Christmas Greetings
Message-ID: <3E05296C.A270C859@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just want to take the next minute and the bandwidth to wish all a very
Merry Christmas, and a Happy New Year.....
And may God's Richest Blessings be Upon Us.....
Safe Holidays All.....

Fred Lesnick and Family
Thunder Bay, Ontario, Canada

Date: Sat, 21 Dec 2002 21:58:13 -0500
From: "w8diz" <w8diz@fpqrp.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142813] HB: Help me test a Toroid calculation program
Message-ID: <001a01c2a965\$f8108b20\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Gang,

Hope some of you can help me test a toroid calculation program.

The program (zipped below) will calculate the following:

Frequency

Capacitance

Inductance

Impedance

AND the Number_of_Turns (windings) on the following toroids:

T37-2, T37-6, T44-2, T44-6, T50-2, T50-6, T50-1, FT37-61, FT50-61

Enter any two values and the program calculates all the other values;
then change any value and the program recalculates all the other values.

<http://kitsandparts.com/toroids.zip>

download the zip file...

unzip it into a new directory

then RUN the toroid.exe program

Thats it. I think it is so simple that
no documentation is required.

I'm on AOL-IM right now)ID=W8DIZ) to confirm the program is not a virus :-)

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio

Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W

FP#-1 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 HIqrp-400

<http://kitsandparts.com>

Date: Sat, 21 Dec 2002 20:08:48 -0700

From: Pat Byers <pbyers@rttinc.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
Nick Kennedy <nkennedy@tcainternet.com>

Subject: [142814] Re: Hacking the NJQRP/K8IQY PVX0

Message-ID: <5.1.0.14.2.20021221194037.00b67738@mail.rttinc.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 04:47 PM 21/12/2002 -0600, you wrote:

>I really like Jim's Precision VX0 circuit that appeared in the Atlanticon
>Compendium and later the NJQRP Homebrewer. And with the kit they offer you
>can end up with a really nice looking signal generator. But I wanted to
>customize it a bit, so I started putting it together Manhattan style using
>Dan's shrapnel-pads. Here's the tale with some of the variations I put in
>and stuff I learned:

Wow, Nick! I'm impressed.

I, too, customized my PVX0 but not on purpose. <g> I built mine from the NJ QRP Club kit. Unfortunately, part way through construction I wasn't paying attention and installed the first of the switches on the wrong side of the board. The excellent manual warns to be careful about this because the plastic board won't take much heat if you try to remove a switch. At this point, I decided to proceed with the rest of the switches on the wrong side of the board so I mounted the BNC connector and ten-turn pot on the opposite side. The result is a PVX0 with the tuning pot and crystal socket on the right hand side instead of on the left.

For those who are building the PVX0 from the NJ QRP kit, there is an error in the manual. The board shows R5 as 3.9k Ohms while the instructions and Bill of Material indicate it should be 1.8k. There were no 1.8k resistors in the kit but two 3.9k resistors were supplied. I initially installed the 3.9k resistors in parallel but then checked with Jim Kortge K8IQY in an effort to resolve the mystery. Jim said that 3.9k is the correct value for better linearity of tuning.

>But the coolest thing about studying Jim's PVX0 was trying to figure out
>the Norton amplifier.

There's some more info and useful references for the Norton amplifier on Todd Gale's excellent QRP HomeBuilder's Web site. Check out <http://www.qrp.pops.net/preamp.htm>

The PVX0 is on the NJ QRP Web site and has been published in the November 2002 QRP Homebrewer. Jim Kortge's very useful crystal measuring accessory as well as clear and concise instructions on how to determine crystal parameters is also in that issue. I'm now looking forward to an article on how to design crystal filters once the crystals have been matched and their parameters determined. ;-)

73,

Pat Byers VE6AAN
Ponoka, AB

Date: Sat, 21 Dec 2002 22:27:47 -0500

From: "Paul Mills" <quahog@localnet.com>
To: <QRP-L@Lehigh.EDU>
Subject: [142815] Re: Need advice on computer upgrade (somewhat lengthy)
Message-ID: <001001c2a96a\$199de180\$a0449942@cybrinjn>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: Mark Fields <mark_ke5my@juno.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Saturday, December 21, 2002 8:44 PM
Subject: OT: Need advice on computer upgrade (somewhat lengthy)

> Hi, everyone:

> I have an old Dell computer that I want to up-
> grade, and need some advice on two of the mods that
> I want to do for the time being.
> The first mod is to replace the 486DX33 processor
> with a 486DX2-66 chip. Will I need to change any of
> the jumpers on the motherboard, and if so, which
> ones? (This computer came without a manual.) While
> I have a manual for a 486 motherboard that I picked
> up recently, I would think that not all motherboards
> are alike, and what the manual says might or might
> not be correct for this one.

I very seriously doubt that you can do this. You may be smarter
to just junk the computer and find another that suits your
needs. There are many early Pentium machines, 75 and 100 MHz or
better, that are available for the taking -- I gotta shed full
of them...

> The other mod concerns the two floppy drives.
> Drive "A" is 5.25 inches, and drive "B" is 3.5 inch-
> es. I want to make the 3.5 drive to be drive "A".
> How do I go about doing this? Can I switch hookup
> cables? Or should I make changes in the system BIOS
> in SETUP mode? I want to load a later version of DOS
> than what it currently has, the computer won't
> load from drive "B", and the DOS commands "ASSIGN"
> and "SUBSTITUTE" didn't work. I don't want to get
> rid of the 5.25-inch drive (or the computer, for
> that matter).

1. Switch the data cable going to the floppy drives: the one on the end AFTER the little twistie in the cable is drive "A:"
2. Switch the drives in your cmos setup to reflect the change.

Hope this helps.

Paul KB1GEJ

> Thanks in advance for everyone's help.

>

> 73, Mark, KE5MY

>

> -----

--

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>

Date: Sat, 21 Dec 2002 21:03:40 -0700

From: "KL7FDQ, Wayne Leman" <KL7FDQ@rangeweb.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [142816] OT Windows XP HELP

Message-ID: <003601c2a96f\$2a9bc1f0\$023d1dac@waynecomputer>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

You shouldn't have to do a complete reboot of your computer. Try just getting out of whatever file manager you are using such as Windows Explorer, then get back into it. That should flush out the cache and give you a correct directory of the new disk. With some other file managers, you can just click once or twice on the icon for the disk drive whose directory you are checking and that should reset things for the new directory.

Wayne

Wayne Leman

..- .-.. _ _- ..- _ _ . _

>

> I know that this doesn't have anything to do with qrp but I thought I

would see if anyone on this group may have an answer to a problem that I have. I am running Windows XP and have found that when I use a floppy disk it reads everything on the disk the first time I put it in the drive. If I place another floppy in the drive, the files that come up are the ones from the previous disk. I have to reboot the computer to read another disk. Even if I don't have a disk in drive A when I go to "my computer", it still shows the files from the previous disk. Any suggestions or ideas would be appreciated.

>
> Ljerman@earthlink.net
> WA3IMF
>

Date: Sat, 21 Dec 2002 21:57:25 -0600
From: "Merton Nellis" <mertnellis@msn.com>
To: qrp-l@lehigh.edu
Subject: [142817] Re: Hacking the NJQRP/K8IQY PVX0
Message-ID: <F22C8aXKFdFDkFzoF0x00001427@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Greetings,
I have been doing some adding to the PVX0 also. I got the kit from NJQRP club at FDIM and built it according to instructions...then built a manhattan crystal test fixture for it like in the NJ HB...and also did some head scatching about the amp so thanks for the info on the theory...but it works great. But lately I have added a sweep voltage in place of the PVX0 pot to be able to see the tuning peaks on the scope by sweeping the x axis and putting the output of the test fixture on the y axis. Sort of a narrow spectrum analyzer I hope. I am doing some adjusting yet but when I get it looking good will talk about it.

73/72 Mert W0UFO MNQRP

>From: Pat Byers <pbyers@rttinc.com>
>Reply-To: pbyers@rttinc.com
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: Re: Hacking the NJQRP/K8IQY PVX0
>Date: Sat, 21 Dec 2002 20:08:48 -0700

>
>At 04:47 PM 21/12/2002 -0600, you wrote:
>>I really like Jim's Precision VX0 circuit that appeared in the Atlanticon
>>Compendium and later the NJQRP Homebrewer. And with the kit they offer
>>you
>>can end up with a really nice looking signal generator. But I wanted to

>>customize it a bit, so I started putting it together Manhattan style using
>>Dan's shrapnel-pads. Here's the tale with some of the variations I put in
>>and stuff I learned:

>

>

>Wow, Nick! I'm impressed.

>

>I, too, customized my PVX0 but not on purpose. <g> I built mine from the NJ
>QRP Club kit. Unfortunately, part way through construction I wasn't paying
>attention and installed the first of the switches on the wrong side of the
>board. The excellent manual warns to be careful about this because the
>plastic board won't take much heat if you try to remove a switch. At this
>point, I decided to proceed with the rest of the switches on the wrong side
>of the board so I mounted the BNC connector and ten-turn pot on the
>opposite side. The result is a PVX0 with the tuning pot and crystal socket
>on the right hand side instead of on the left.

>

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>in the manual. The board shows R5 as 3.9k Ohms while the instructions and
>Bill of Material indicate it should be 1.8k. There were no 1.8k resistors
>in the kit but two 3.9k resistors were supplied. I initially installed the
>3.9k resistors in parallel but then checked with Jim Kortge K8IQY in an
>effort to resolve the mystery. Jim said that 3.9k is the correct value for
>better linearity of tuning.

>

>

>

>>But the coolest thing about studying Jim's PVX0 was trying to figure out
>>the Norton amplifier.

>

>There's some more info and useful references for the Norton amplifier on
>Todd Gale's excellent QRP HomeBuilder's Web site. Check out
><http://www.qrp.pops.net/preamp.htm>

>

>The PVX0 is on the NJ QRP Web site and has been published in the November
>2002 QRP Homebrewer. Jim Kortge's very useful crystal measuring accessory
>as well as clear and concise instructions on how to determine crystal
>parameters is also in that issue. I'm now looking forward to an article on
>how to design crystal filters once the crystals have been matched and their
>parameters determined. ;-)

>

>73,

>

>Pat Byers VE6AAN

>Ponoka, AB

MSN 8 with e-mail virus protection service: 3 months FREE*.
<http://join.msn.com/?page=features/virus&xAPID=42&PS=47575&PI=7324&DI=7474&SU=>
http://www.hotmail.msn.com/cgi-bin/getmsg&HL=1216hotmailtaglines_eliminateviruses_3mf

Date: Sat, 21 Dec 2002 23:40:59 -0500
From: Lenny Wintfeld <w2bvh@comcast.net>
To: ccart@phideaux.com,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>,
Subject: [142818] Re: Class E amp = Cold Fusion?
Message-ID: <3E05425B.4050507@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii; format=flowed
Content-transfer-encoding: 7BIT

Hi Chris,

I can't answer some of your questions, and others have already been (at least partially) answered.

But here, in random order are a couple of observations:

1. The "higher quality" fets (IRF520, 530 820) do have better turn on characteristics but they also have lots more gate capacitance. That capacitance is a real pain to drive. (You end up with very high peak currents in the drive circuit, and if the drive circuit doesn't have sufficient gain, you end up dissipating plenty of power in it, and/or slowing down the driving waveforms edges). When I get a round tuit (hope you've see the joke about round tuits), I'm going to research "optimized" drive circuits for capacitive loads. In the meantime, you might want to check out the IRL510. It's like the IRF510 but with better (and lower) gate threshold. If I remember right, it's something like 1v max.

2. As George Heron has said, the output filter is part of the design of the amplifier, and you'll get more meaningful numbers if you include it when doing measurements.

3. The amp in my QRP Homebrewer article used a 9 volt power supply because a) that was the design voltage for the NJQRP Snap Transmitter which (except for its output filter) drives the class-E amp and b) it seemed way cool to be creating that much rf with a 9 volt transistor battery. In a subsequent experiment, I switched to an IRF510 from an IRF511 and jacked the Vdd to 14v using a bench supply. My amplifier efficiency went to (approximately) 90% into a 50-ohm dummy load. I wish I had kept a "lab notebook" on the experiment. I don't remember the

measured power output and the exact efficiency. The references do say, however, that efficiency rises with supply voltage (other things kept equal). I've heard that some class E amplifiers have gotten up to the mid to high 90's.

It's amazing, how much fun you can have using (free) simulation software and less than \$10 worth of components! If you come up with more results please be sure to put them onto the reflector. There's at least a dozen folks here who'd like to see what else comes out!

73 and Happy Holidays

Lenny W2BVH

Chris Cartwright wrote:

>CAUTION! This post contains technical QRP content! :)
>
>Was re-reading the Aug 2001 QRP Homebrewer and decided to try W2BVH's
>MOSFET amp. Decided that I just didn't understand it enough and should
>experiment with it for 40M to "figger" it out. I built just the amp (no
>output filter) and fed it with my Icom 735 ALC'd back to 60mW. This
>little amp is amazing!
>
>It's comprised of 4 caps, a toroid, a resistor, IRF510 and a 10K pot,
>that's it. I built mine on a solderless proto-board, the kind of thing
>you just stick parts into, several rows are connected with little fingers
>underneath. Now, with a 12.8V (190ma) supply I'm getting 2W out (with 60mW
>in) with about 82% efficiency. W2BVH wonders in the article about what
>an increase in supply voltage will do to the output. Well, I wondered too
>and that's where it gets weird.
>
>I upped the supply to 26V (2 gel cells) and reset the pot for 1mA idle as
>before. Now I get 6.12W out, not bad you say, well read on. At that
>power it's drawing 210mA from the battery. I'll save you the math, 5.46W
>in, 6.12W or 112% efficient :)
>
>Hang on a minute... Wanna check something before I make a total idiot out
>of myself.
>
>!@#%\$%* analog meters!! DOH! was reading the wrong scale. So input was
>24.3V at 320mA or 7.78W in, 6.12W out (60mw in) , and 78% efficiency.
>Whew, that was close:)
>
>I've also been trying to work out the relationship of input capacitance,
>coil and frequency. I'm using almost the same uH in the coil as Lenny,
>but it seems to play better on 40 than 80. Also I have some IRF540's,

>that have a lower on resistance and faster switching time, but they do
>worse than the IRF510. I would think I could get more power out with a
>lower resistance, and run a higher frequency with the better switch
>times. So far that's not the case. I've changed the coil a few times,
>and can "sweep" the amp with the MFJ259 while I watch the output on the
>scope, and the current drawn from the supply. I can't seem to come up
>with any "rules of thumb" for Class E amps. I'm *assuming* that the coil
>would get smaller as the frequency goes up, but now I'm starting to doubt
>even that assumption.

>

>The article uses a filter that transforms output impedance from 100 ohms
>at the drain to 50 ohms at the antenna, so I've been using a 4W 100 ohm
>dummy load on it. (The 100 ohm dummy load is factored into the power
>calculations) When the dummy load gets hot, the current starts to go
>up, but the MOSFET only barely gets warm to the touch. At the 2W level, I
>left it key-down for over five minutes and could still touch the 1"
>square heat sink I have on the transistor. So even anecdotal evidence
>would help in trying to get some basic rules together on this thing. I've
>been to Glenn VE3DNL's page, but I'm just not "gettin' it".

>

>After this, I think I'll move on to the 25W 2xIRF510 amp in the W1FB
>Design Notebook. But I guess I'll have to talk about that one some other
>list :)

>

>WARNING!! Several IRF510's and IRF540's were harmed in the making of this
>post. Further postings may endanger a number of IRF820's that recently
>have been set free from the captivity of an old power supply board.

>

>72

>

>-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --
>-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --
>-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

>

>

>

>

>

>

Date: Sun, 22 Dec 2002 04:44:43 -0000

From: "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [142819] Anyone In The US or VE Want To Listen For Me Now On 14.059.0

Message-ID: <001201c2a974\$d9b3b990\$055bfea9@GM0NWI LAPTOP>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guy's

Andy, GM0NWI/QRP (as alway's...) here in Stirling, central GM-land...

Just got the FT847 "wired for sound" at around 3 watts, with the Paddlette too,..
and wondered if ANYONE "over the pond" would'nt mind givin' me a "radio cheque",
, on 20m, 14.059.0 +/-, as it's only about the 3rd QRP CW QSO, I have made on this, my latest "family addition" here in the shack...??

Ant is 2el on tower @ 15 ft at the moment, due to inaccessibility to my wheelchair ramp, with frost.....so hang in there.. for me at least...

Things,....MIGHT be a "little bit iffy" on my part, been a few months since I have been able to
get "on air" with the key, although I practice most days with the rigs oscillator...so if I take a few minutes to "get it on" please be patient...

I need ND, SD, Alaska, New Mexico,.....to finish "Worked All States QRP", so if anyone is out there in those respective states, call me....!!!!

I will wait here and "monitor" the list for any replys, then if someone wants to try for this, for me, will answer their "post" and then QSY to the rig....

Thanks guysand please all of you "Have A Happy Holiday..."

Merry Xmas Everyone....

" Greetings From Bonnie Scotland..."

gm0nwiqrp@btopenworld.com

72's, 73's

"..Badda-Bing..Badda-Boom.."

Andy

A.R.S.

"..It is vain to do with more....

"A Dis-Orientated Kiwi...

GM0NWI QRP

what can be done with less..."

In The Northern Hemisphere..."

GQRP No.9576

QRP-L No.2165

Alaskan QRP Club No.190

ICQ No.31899603

Date: Sun, 22 Dec 2002 05:02:40 -0000
From: "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [142820] Re: Anyone In The US or VE Want To Listen For Me Now On 14.059.0
Message-ID: <002401c2a977\$5b99e590\$055bfea9@GM0NWI LAPTOP>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Can someone please call me on 14.059.0....from either US or VE,.....NEED to
know
there is nothing wrong with the set-up here....

Being disabled, I had to get some guys to do some work on the 2el at 12m
(new HD coax), SWR is now out and need to tune the antenna after 12 years of
tune free radio work...(not happy)....I don't know if it is just propagation
or my antenna but not hearing anything....

" Greetings From Bonnie Scotland..." gm0nwiqrp@btopenworld.com

72's, 73's

"..Badda-Bing..Badda-Boom.."

Andy

A.R.S.

"..It is vain to do with more...."

"A Dis-Orientated Kiwi...

GM0NWI QRP

what can be done with less..."

In The Northern Hemisphere..."

GQRP No.9576

QRP-L No.2165

Alaskan QRP Club No.190

ICQ No.31899603

Date: Sun, 22 Dec 2002 00:10:15 -0500
From: "Emmerson Bigguns" <n8ie@woh.rr.com>
To: "QRP-1" <qrp-1@lehigh.edu>
Subject: [142821] RE: Anyone In The US or VE Want To Listen For Me Now On 14.059.0

Message-ID: <MMEDLKDLONJOAIGICDJAEEIHDLAA.n8ie@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I tried to call you (even at 100 watts) and nothing. You still there?

72, oo
Dan, N8IE
FPqrp #-6, QRP-1 #1404, FISTS #4985

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of
Andy GMONWI
Sent: Sunday, December 22, 2002 12:03 AM
To: Low Power Amateur Radio Discussion
Subject: Re: Anyone In The US or VE Want To Listen For Me Now On
14.059.0

Can someone please call me on 14.059.0....from either US or VE,.....NEED to
know
there is nothing wrong with the set-up here....

Being disabled, I had to get some guys to do some work on the 2el at 12m
(new HD coax), SWR is now out and need to tune the antenna after 12 years of
tune free radio work...(not happy)....I dont know if it is just propogation
or my antenna but not hearing anything....

" Greetings From Bonnie Scotland..." gm0nwiqrp@btopenworld.com

72's, 73's
"..Badda-Bing..Badda-Boom.."

Andy

A.R.S.

"..It is vain to do with more....

"A Dis-Orientated Kiwi...

GMONWI QRP

what can be done with less..."

In The Northern Hemisphere..."

GQRP No.9576

QRP-L No.2165

Alaskan QRP Club No.190

ICQ No.31899603

Incoming mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.427 / Virus Database: 240 - Release Date: 12/6/2002

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.427 / Virus Database: 240 - Release Date: 12/6/2002

Date: Sat, 21 Dec 2002 23:51:35 -0600
From: John Sullivan <kg0mz@swbell.net>
To: KL7FDQ@rangeweb.net,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [142822] Re: OT Windows XP HELP
Message-ID: <000e01c2a97e\$30ad9190\$5bbefea9@3RN9V11>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Simpler still, click View then Refresh.

72 de KG0MZ

----- Original Message -----
From: "KL7FDQ, Wayne Leman" <KL7FDQ@rangeweb.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, December 21, 2002 10:03 PM
Subject: OT Windows XP HELP

> You shouldn't have to do a complete reboot of your computer. Try just
> getting out of whatever file manager you are using such as Windows
Explorer,
> then get back into it. That should flush out the cache and give you a
> correct directory of the new disk. With some other file managers, you can
> just click once or twice on the icon for the disk drive whose directory
you
> are checking and that should reset things for the new directory.
>
> Wayne
> -----
> Wayne Leman
> _._ ._. . _ _ _ . _ . _ _ . _
>
> >

> > I know that this doesn't have anything to do with qrp but I thought I
> would see if anyone on this group may have an answer to a problem that I
> have. I am running Windows XP and have found that when I use a floppy
disk
> it reads everything on the disk the first time I put it in the drive. If
I
> place another floppy in the drive, the files that come up are the ones
from
> the previous disk. I have to reboot the computer to read another disk.
> Even if I don't have a disk in drive A when I go to "my computer", it
still
> shows the files from the previous disk. Any suggestions or ideas would
be
> appreciated.
> >
> > Ljerman@earthlink.net
> > WA3IMF
> >
> >
> >
> >
> >

Date: Sun, 22 Dec 2002 05:37:30 -0000
From: "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [142823] THANKS TO ALL WHO TRIED.....BUT FAILED...!!! BAD
CNDX ..OR ..BAND CLOSED
Message-ID: <003a01c2a97c\$39aea1a0\$055bfea9@GM0NWI LAPTOP>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guy's

Thanks to one and all who tried to see if they could hear me on 14.059.0
this evening,
I guess the band has just "beaten me too it" by closing down..!!!

Will try again about another 17 hrs or so....with about 3-5watts from my
FT847 and 2el Yagi Tribander @ 15ft

Hope "someone" can hear me, as I've just found that the squelch on my new
rig, has decided

to "gove up the ghost" during one of my CQ calls a minute ago., now no
squelch on SSB, CW, AM or FM.....the wonders of SWR...!!!

Thanks anyway one an all....hope to see you in the Winter Sports over the
festive season...

" Greetings From Bonnie Scotland..." gm0nwiqrp@btopenworld.com

72's, 73's

"..Badda-Bing..Badda-Boom.."

Andy

A.R.S.

"..It is vain to do with more....

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what can be done with less..."

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GQRP No.9576

QRP-L No.2165

Alaskan QRP Club No.190

ICQ No.31899603

Date: Sun, 22 Dec 2002 01:04:54 -0500

From: "Bill, N4QA" <n4qa@hotmail.com>

To: qrp-l@Lehigh.EDU

Subject: [142824] Re: sneak....P-R-E-V-I-E-W !... DSWTUN03

Message-ID: <BAY1-F862wLCVY14maE0001ac18@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

John,

DSWTUN03 is my homebrew Windows application which facilitates PC control of
Small Wonder Labs' DSW-X0 series rigs.

DSWTUN95, which I've been developing over the past couple of years and about
which I've made several postings on this list, was my first effort in this
regard.

DSWTUN03 will differ from DSWTUN95 in several important ways, the most
important of which is that DSWTUN03 will stream frequency data directly to
the DSW-X0's onboard DDS chip instead of simulating the mechanical encoder
as DSWTUN95 does. This will allow faster and 'finer' tuning of a DSW-X0 rig
over a wide range of frequencies.

DSWTUN95 is now a mature project...DSWTUN03 is currently in its infancy.
For more information on both projects, begin at the link below.

73.

Bill, N4QA

<http://www.qsl.net/n4qa/>

Add photos to your e-mail with MSN 8. Get 3 months FREE*.

<http://join.msn.com/?page=features/>

[featuredemail&xAPIID=42&PS=47575&PI=7324&DI=7474&SU=](http://www.hotmail.msn.com/cgi-bin/getmsg&HL=1216hotmailtaglines_addphotos_3mf)

http://www.hotmail.msn.com/cgi-bin/getmsg&HL=1216hotmailtaglines_addphotos_3mf

Date: Sun, 22 Dec 2002 00:06:18 -0600

From: <sjolin@swbell.net>

To: <femens@hiwaay.net>, "Qrp-1 Reflector" <qrp-1@Lehigh.EDU>

Subject: [142825] Re: OT: CD-RW Help

Message-ID: <0af601c2a980\$3e792530\$78d1fea9@DaveSjolin>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Frank Emens" <femens@hiwaay.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Saturday, December 21, 2002 7:30 PM

Subject: Re: OT: CD-RW Help

> No need to get into operating systems here. You don't say how old the laptop is.

> Many earlier CD drives will not read a CDRW disk. The dyes used in CDRWs are

> different and current drives use a different laser frequency to gain compatibility with

> CDRWs, Your alternatives would seem to be either replace the drive in your

> thinkpad with one of current manufacture or use CDRs. At the current prices, using

> CDRs and trashing them when done could be a reasonable solution.

>

> There could be some other reason for you problem, but I'd bet you have a CD drive

> that is simply not compatible with CDRW media.

Frank, you and several others have suggested that that my CD drive may be old and incompatible with CD-RW media. I'm tending to agree. I didnt know that the older models were not compatable. I assumed that the CD-RW just referred to fact that you could reuse the CD's. Didnt realize that the format itself was different.

My laptop is a Thinkpad 380. I bought it used several months ago on Ebay for \$230. It is 150 Mhz Pentium with 80 megs RAM and 2 gig Hardddrive. I was told that originally, the computer was loaded with Windows 95 so I assume it was probably manufactured between 1995 and 97. I guess, in todays world that makes the drive pretty ancient.

73 de Dave, N0IT

Date: Sat, 21 Dec 2002 22:16:41 -0800
From: Ted Buckley <tedb@aracnet.com>
To: qrp-1@Lehigh.EDU
Subject: [142826] re: books
Message-ID: <5.1.0.14.2.20021221221530.00a691c0@mail.aracnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

My thanks to all who responded to my request for info on the HW-8 Handbook. A copy has been located.
73, Ted WA7DFD

Date: Sun, 22 Dec 2002 00:21:41 -0600
From: <sjolin@swbell.net>
To: "John J. McDonough" <wb8rcr@arrl.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142827] Re: CD-RW Help
Message-ID: <0b1c01c2a982\$64fa67d0\$78d1fea9@DaveSjolin>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "John J. McDonough" <wb8rcr@arrl.net>

To: <sjolin@swbell.net>; "Low Power Amateur Radio Discussion"
<qrp-1@Lehigh.EDU>
Sent: Saturday, December 21, 2002 7:34 PM
Subject: Re: CD-RW Help

> First, the media. Not all drives can read CDRW media. I suspect that
your
> Thinkpad is new enough, but when you say "recorded in CD-R format" do you
> mean you have taken a CDRW media and written it in CD-R format? If so,
then
> the Thinkpad drive is capable of reading the CDRW media. Your comment
about
> "commercially generated CD" was a tad confusing since I know of no
> commercially recorded CDs which are recorded on CDRW media.

I wasn't very explicit as I didn't really know what was relevant. The Thinkpad
is pretty old. It is a 380D or something like that if I remember correctly.
It originally came with Windows 95 so I assume it was probably manufactured
between 95 and 97. As you suggested, the drive may be too old to be
compatible.

Using the CDRW media I was unsuccessful. The only time I was successfully
able to produce a CD that was readable on the laptop was using a CD-R format
media. None of my software as far as I know gives me an option to save in a
different format. By commercially generated CD I just meant the kind that you
get from software manufacturers when they distribute their software. For
example I was able to install ACT 5.0 contact management software on the
laptop from CD. Also I was able to use the CD from West Mountain Radio that
provides Digipan and other software for the RigBlaster.

> Now DirectCD is a whole 'nuther can of worms. This is a special format
that
> needs a special driver that was installed when you installed your CD
burner
> software. Without that driver, the Thinkpad won't be able to read the
> special, proprietary format. It shouldn't matter whether you write on a
> CD-R or a CD-RW, without the driver the data is invisible. I believe that
> there is now an industry standard rewritable format, and I think Easy CD
> Creator 5 can write it, but it's going to need a driver that's not in
> Windows 98 (but probably is in XP).
>
> If your CD burner included Windows 98 software, installing DirectCD on the
> Thinkpad should allow it to read the CD-RW's you create on the desktop.
> However, the install may be set so it won't install unless it senses the
CD
> burner it was sold with.

I'm beginning to think that for the cost of the CD-R media it maybe

worthwhile to just buy a few for when I need to transfer large amounts of data and use blank diskettes for the day to day files that I may want to work on with the laptop when out of town.

Thanks again,
73 de Dave, N0IT

Date: Sun, 22 Dec 2002 06:22:38 -0000
From: "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [142828] ANYONE IN THE US OR VE....LISTEN UP....!! IT'S HAPPENIN' TOMMOROW
22-12-02 ON 14.059.0 +-
Message-ID: <005a01c2a982\$99754fc0\$055bfea9@GM0NWILAPTOP>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guy's

Thanks for at least "tryin'" to see if y'all could hear me this evening on 20m....

Think I might have left things a bit late on this side before attempting a call....
a bit "out of touch" with the way that the propogation is going lately on the bands...
doin' more "construction" lately.... need to try and get some sort of a table here
in my "shack" for "construction" so I can listen to the rig at the same time...!!

Still runnin' (wheeling...) with the dinasours on that one..!

But I will try and be around 14.059.0 +- QRM, QRN (which there is a lot of at my
qth at the present time...) tommorow, or should I say today (22-12-02) around
2200 GMT, and will probably be calling "CQ USA VE...."

Would just like to see if the new FT847, of which I am NOT entirley happy with
is performing fine, I have had about 3 HF QSO's on it since buying it, and most of

them have been QRO SSB (sorry guys...!), so would just like to see if I can "make the trip over the pond) with it....

I seem to have a problem with the Squelch now, since calling this evening (no squelch on all modes...!) strange, but I will get someone to check it out for me tomorrow,....

I have worked, over the years most of the "states" QRP CW (thanks everyone...), but still need the following states to complete the task....

Hawaii
North Dakota
South Dakota
New Mexico
Alaska (possibly, cant find the Q I had on CW a few years back on my computer log...So
Come On Jim Larsen...and Friends...!)

But ANY station, from ANY state will be answered, if I can hear them, so come on guy's
give me a call, help me out with this one,the pile-up (hopefully..!) will get and be "stressful" at times, but HEY...!! we're QRP'er'sso if I dont answer right awayhang in there...I will work everyone I can hear....Oner's, OXO's, SMT's, Rockmites.....them all ..!!!

Don't give up....For my sake, and yours...

So if anyone on the list is in "any" of these states and would like to give and receive (hopefully..!) a report from "Bonnie Scotland" QRP, please look for me around 2200 GMT
on 14.059.0 +- and if the freq has too much noise on it, I will post something here to the list
in the way of the frequency that I am calling on...

I will try and give out my RST's only,BUT!!! If someone wants my name, QTH etc,...please hang in there....

Thanks for the Bandwidth guy's.....Hope you all have a "Happy Holiday" with your
respective families, and that "santa" brings you something nice in the way of QRP fun...!
I KNOW he will for me...

Maybe hear y'all in the Winter Sports too.....depending if all goes well this time round..!

" Greetings From Bonnie Scotland..."

gm0nwiqrp@btopenworld.com

72's, 73's

"..Badda-Bing..Badda-Boom.."

Andy

A.R.S.

"..It is vain to do with more....

"A Dis-Orientated Kiwi...

GM0NWI QRP

what can be done with less..."

In The Northern Hemisphere..."

GQRP No.9576

QRP-L No.2165

Alaskan QRP Club No.190

ICQ No.31899603

Date: Sat, 21 Dec 2002 22:28:24 -0800 (PST)

From: Lloyd Lachow <llachow@yahoo.com>

To: a low-energy group <qrp-l@lehigh.edu>

Subject: [142829] Re: FOX: K3ESE Log 1.0 : The World v. Karl Larsen

Message-ID: <20021222062824.31174.qmail@web41008.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

I just got back from The Two Towers; great fun! Must see it a few more times. But only when I can sandwich it in between plotting nefariously against Karl Larsen.

>Lloyd has been sending me insulting messages and I
>have been
>sending them back in kind.

(Have you, now? Save your time...they don't quite get all the way to my inbox, if you catch my drift, old feller...)

>But this is kind of a low >blow.

Karl, understand that sometimes, the things that need to be said to you don't belong on the list. I

know that your friend John likes to do that here all day, but I think it sucks.

>Lloyd I'm
>very good with Morse code

Oh, yes? How interesting!

>Since you seemed to hear me ok why didn't you call me?

Come again? I know...you have one of those crystal ball seeing stones like in the Lord of the Rings, and you "saw" me hearing you...

OK, I guess you got me fair and square...you see, it was like this: we decided to get you, Karl, so here's what we did...we got Frank, who has a call plausibly close to yours, to lay in wait until we heard you calling...then I worked him, see, and magically fudged my sending enough so that you'd think I was working you! Worked like a bleeding charm, though, didn't it! And we never expected you to make it so much more enjoyable for us all by crowing, repeatedly, here on the list, about how you worked me with good sigs...

>I will draw a line through the entry and make
>sure that if I hear you calling me in a couple of
>weeks I will make
>certain to work you.

That's the spirit, Karl. Just like I would have happily worked you, if I'da heard you, you big baby. Just be sure to switch over to your killer vertical early, 'cause that's what did it last time.

=====

73, 72 es oo, Lloyd, K3ESE

K1 # 00379 - 20/40M Rock-Mites - Hunk o' Wahr

ARRL - ARS #1301 - FISTS #8774

FPqrp #476 - QRParci #11147

QRP-L #2415 - SOC #530
dit dididit dit

Do you Yahoo!?
Yahoo! Mail Plus - Powerful. Affordable. Sign up now.
<http://mailplus.yahoo.com>

Date: Sun, 22 Dec 2002 01:50:44 -0500
From: "w8diz" <w8diz@fpqrp.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [142830] Re: Help me test a Toroid calculation program
Message-ID: <001701c2a986\$73a88150\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Thanks to all that helped with the program.
I have made a few corrections and additions and
will continue to enhance the toroid calc program.

You can find the latest version at...

<http://www.kitsandparts.com/tcalc.html>

PS: Only runs on u\$ windows (sri all U linux folks)

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
FP#-1 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 HIqrp-400
<http://kitsandparts.com>

Date: Sat, 21 Dec 2002 22:52:56 -0800
From: David Castor <dpcastor@attbi.com>
To: <qrp-l@lehigh.edu>
Subject: [142831] OT - Motherboard cap replacement
Message-ID: <BA2AA148.127%dpcastor@attbi.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Thanks to all who replied directly and to the list. I agree that just replacing the board may be the best solution in the long run. I'm going to price out the replacement caps and see where I am. The thought of replacing 40 caps is a little daunting, but I hate to just toss the board, and I can't see doing a partial replacement, since the caps are all the same brand.

>From what I've gleaned from the 'net in researching this problem, the bad capacitors are all from Taiwan. This is not an issue for capacitors made in Japan, as far as I know.

FWIW, the symptoms I had: computer would hang while booting up, usually very early, before the POST beeps. It would eventually start up after numerous attempts and once it started, it ran fine. Until yesterday, when it crashed and would not restart.

Dave - K7EL

Date: Sun, 22 Dec 2002 01:10:26 -0600
From: <sjolin@swbell.net>
To: "Mike Yetsko" <myetsko@insydesw.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [142832] Re: CD-RW Help
Message-ID: <0bbb01c2a989\$34841400\$78d1fea9@DaveSjolin>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <sjolin@swbell.net>; "Low Power Amateur Radio Discussion"
<qrp-l@Lehigh.EDU>
Sent: Saturday, December 21, 2002 7:04 PM
Subject: Re: CD-RW Help

> CD-RW is NOT a 'generic' format. A while back, a lot of the CD-RW
> stuff required a special format to handle the 'interactive' nature of the
> format.
>
> If you want to read the disk in another machine, you need to have the
> driver for that file structure installed on the machine you want to use it

> on.

>

> You can still use RW media on the machine, just record it in the
> standard format, NOT in the special RW format.

Mike, I have found in Roxio Easy CD Creator software that I can produce a variety of different formats. It was setup for CD-RW using Joliet. I will try some of the other formats on CD-RW media and see if I can find something that is compatible with my old drive. Thanks.

73 de Dave, NOIT

Date: Sun, 22 Dec 2002 02:29:07 -0500
From: Fran Flynn <fflynn@adelphia.net>
To: qrp-1 <qrp-1@lehigh.edu>
Subject: [142833] Re: RTFM - Think of this...
Message-ID: <3E0569C3.70200@adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Give a guy a beer, he will waste an hour, teach him to brew and
he will waste the rest of his life.

Fran, Km1z, ham and homebrewer, in both senses, I build radios
and make beer.

>>What is the saying? Teach a man to fish and feed him for life?

>Light a man a fire, you'll warm him once.

>Light a man on fire, you'll warm him for the rest of his life.

Date: Sun, 22 Dec 2002 03:18:33 -0500
From: Fran Flynn <fflynn@adelphia.net>
To: qrp-1 <qrp-1@lehigh.edu>

Subject: [142834] Re: Class E
Message-ID: <3E057559.1070709@adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

You might want to clarify that by saying that class B is normally used in a "push-pull" configuration, where the entire waveform is amplified by a pair of devices, tubes or transistors, but each device works for half the time (50%) together amplifying the entire waveform.

In audio amplifiers, at least in tube type circuits, there is a class AB, which is class B with a small amount of bias added to reduce distortion, keeping an increased efficiency compared to pure class A, but with less distortion than pure class B.

I'm not too sure either what class E is, some sort of PWM modulation? (no, I don't mean p*** weak, I mean pulse width)

Karl Larson said:

>Well lets see, from the dim past with tubes, a Class A amplifier
>has the same plate current flowing regardless of the exitation. Class B
>is well defined as an amp with plate current flowing 50% of the time
>exitation is applied. Class C is when plate current flows only for a
>small part of the exitation cycle, like 1/4 of a cycle is typical.

Date: Sun, 22 Dec 2002 03:35:40 -0800
From: "W2WU" <w2wurjj@verizon.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142835] OT Help CD/RW
Message-ID: <000601c2a9ae\$5078e8a0\$53fa998d@w2wurjj>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've a factory installed CD/RW that writes to a CD/R. It won't write to a RW disk but will read one. I just rebuilt the hard drive to factory specs.

Could write speed or the driver cause the problem? Would lowering the write speed from 8x increase proper operational possibilities?

I'd like to make a hard drive backup on RW format, but want to be sure all data is transferred. I'm confused. 73 Ron W2WU

Date: Sun, 22 Dec 2002 05:02:32 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [142836] Re: Class E
Message-ID: <3.0.6.32.20021222050232.007b5c10@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>I'm not too sure either what class E is, some sort of PWM modulation?

Thanks to the link supplied by John Harper, I found out how Class E amps work. (those are some real QRO Class E amps on that page!)

Anyway, the idea is that by tuning (resonating) the output of the amplifier, you can make it switch on when there is zero volts across the device, in this case a MOSFET. I can't quite wrap my mind around how this happens, but I guess it does :-)

So, if the output network on the original amplifier in question is tuned in such a way as to make this happen, it must be a Class E amp, and you must have the proper output network to make it a Class E.

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Sun, 22 Dec 2002 05:19:46 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [142837] TT Nor'easter kit
Message-ID: <3.0.6.32.20021222051946.007b8320@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Couple of bo-bo's in the Table Top Nor'easter kits I just sent out:

1. Your missing two .1uF monolithic caps, I miss counted how many were needed.
2. Instead of a 100 uF/16v cap, you got a 10uF/100V cap. I was shipped the wrong value and didn't notice. Just assumed the part in the bag was what the label on the bag said was in it!
3. The parts list says the 100 pF cap is marked 100, it should be 101.

If you can replace 1+2, great. If you need them, let me know and will make it right!

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Sun, 22 Dec 2002 07:08:46 -0500
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [142838] SINGLE LETTER MARKERS . . .
Message-ID: <20021222.071353.-150717.1.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Re: OT:Russian Beacon - M heard LOUD this morning

This *may* only get you started ! ! !

. . . SINGLE LETTER MARKERS . . .

Posts from the SPOOKS and WUN listservers
<http://www.dxworld.com/markers.html>

Thirty-second edition of the N&O column / Spooks newsletter
<http://www.cvni.net/radio/nsnl/nsnl32mx.html>

Ever wonder what would 'show up' if
clandestine *markers* were displayed
using a technique such as SpectrumLab ??

Good 'cold war' reading . . . on similar a subject . . .
'Blind Man's Bluff' by S. Sontag and C. Drew

enjoy :>))

John
N3AAZ
00TC
FM 19 xa

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Only \$9.95 per month!
Visit www.juno.com

Date: Sun, 22 Dec 2002 07:12:00 -0500
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [142839] Subject: Technical to Crap Ratio #2
Message-ID: <20021222.071353.-150717.2.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Subject: Technical to Crap ratio #1

WHY DO YOUR 'response' to the qrp-1 reflector

interesting ?
or
unbelievable ?

Unbelievable . . .
that anyone (me too) opens a crap 'subject line'
let alone posts a crap response back to the reflector.

Score this (my post) on technical merit, I DARE YOU and YOU too !

Clue for the entertainment ruined . . .
the only technical content in this post
can be found in the MESSAGE HEADER

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

I VOTE cut the 'crap'

worth about 2 cents of **LOW** brain**power** required to respond with

crap.

POST THIS BACK TO THE REFLECTOR ;

Why pay for, subscribe to, and put up with this crap?

I will say again for the apparent brain limited . . .

Why

I say again WHY *!* respond *!* . . .

answer

react

rejoin

confirm

retort

write back

return

reply

acknowledge

respond to

'this type subject matter'

via this reflector

key word THIS REFLECTOR

Thank YoooooU

John

N3AAZ

FM 19 xa

Sign Up for Juno Platinum Internet Access Today

Only \$9.95 per month!

Visit www.juno.com

Date: Sun, 22 Dec 2002 07:46:38 -0500

From: "John" <jdorson@worldshare.net>

To: <lmairs@direcway.com>,

"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [142840] Re: OT - Capacitor Replacement - Computer Motherboard

Message-ID: <004201c2a9b8\$2fb43110\$939b8b41@ATHOME>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Tiger Direct does not stand by anything they sell. You need a guardhouse

lawyer to get any satisfaction. I was a good customer of theirs' and spent a good some of money until I had a bad batch of CPUs' and they would not replace them. There are much better companies to deal with.

John K2JHU

----- Original Message -----

From: "Lee Mairs" <lmairs@direcway.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Saturday, December 21, 2002 6:14 PM

Subject: Re: OT - Capacitor Replacement - Computer Motherboard

> David -

> With all the problems and "time sinks" that a faulty mother board can
> generate down the line, I'd not waste time and/or money on this one. It
is

> time for a new motherboard.

> 73 de Lee

> km4yy

>

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> satisfied customer. In fact, I'm battling them over a Paypal payment
> return, but the prices look good...

>

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> ----- Original Message -----

> From: "David Castor" <dpcastor@attbi.com>

> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Saturday, December 21, 2002 5:36 PM

> Subject: OT - Capacitor Replacement - Computer Motherboard

>

>

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> >
> > Dave - K7EL
> >
> >
> >
>

Date: Sun, 22 Dec 2002 13:26:04 -0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: <kd1jv@moose.ncia.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142841] Re: Class E
Message-ID: <DAV58J3nezS748Ujxhq000070ca@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, December 22, 2002 10:02 AM
Subject: Re: Class E

> > I'm not too sure either what class E is, some sort of PWM modulation?
>
> Thanks to the link supplied by John Harper, I found out how Class E amps
> work. (those are some real QRO Class E amps on that page!)

> Anyway, the idea is that by tuning (resonating) the output of the
> amplifier, you can make it switch on when there is zero volts across the
> device, in this case a MOSFET. I can't quite wrap my mind around how this
> happens, but I guess it does :-)

Perhaps it depends on the type of MOSFET: enhancement mode vs. depletion mode. Switching MOSFETs like those used in Class E circuits tend to be enhancement mode.

I found this: http://www.ussc.com/~turner/mpm_class_e.html which might be of interest.

73, Leon

--

Leon Heller, G1HSM
leon_heller@hotmail.com
http://www.geocities.com/leon_heller

Date: Sun, 22 Dec 2002 08:16:04 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Cc: <sjolin@swbell.net>
Subject: [142842] Re: CD-RW Help
Message-ID: <003401c2a9bd\$73310260\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: <sjolin@swbell.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, December 22, 2002 1:21 AM
Subject: Re: CD-RW Help

> I'm beginning to think that for the cost of the CD-R
> media it maybe worthwhile to just buy a few for when
> I need to transfer large amounts of data and use blank
> diskettes for the day to day files that I may want to
> work on with the laptop when out of town.

I buy spindles of CD-R's at the Wal-Mart. They're almost cheap enough to use for transferring files. It took me too long to learn that I don't want to be buying crystal cases, and CD's that come with them are worth less than CD's that don't (to me). Those crystal cases take way too much space. I

think I have more of the shack's volume consumed by CD cases than I do by radios!

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Sun, 22 Dec 2002 08:29:55 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <w2wurjj@verizon.net>
Subject: [142843] Re: OT Help CD/RW
Message-ID: <003501c2a9be\$3b0726c0\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have occasionally run across media that won't write successfully at lower speeds, but in general, lowering the write speed will increase your chance of success.

At one point, I was doing backups to CD-RW media, but that was back when CD-R's were five bucks. Now that CD-R's are around a quarter, I find it a big win to backup to CD-R (zip files, 9660 format) and keep the backups essentially forever (in sleeves so they don't take up much space).

What this does is makes it a lot easier for me to delete junk that I probably don't need anyway. In the unlikely event that I end up needing it, it's on a backup.

I have given up on all the proprietary backup programs because they are always so short-lived. Some things (source code, images) I occasionally want to go back to a long time later. Invariably there have been some operating system changes and the old backups sets are no longer readable without reconstructing a special system to read them.

ISO-9660 CD's are readable by just about anything, and InfoZip is available on every platform under the sun and has been for a very long time. Zipping the stuff I want to back up is pretty convenient, and I can get stuff back to/from Windows any version, DOS, Linux, OS/2, VMS, MVS, VM(!), whatever.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

----- Original Message -----

From: "W2WU" <w2wurjj@verizon.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, December 22, 2002 6:35 AM
Subject: OT Help CD/RW

> I've a factory installed CD/RW that writes to a CD/R. It won't write to a
RW
> disk but will read one. I just rebuilt the hard drive to factory specs.
> Could write speed or the driver cause the problem? Would lowering the
write
> speed from 8x increase proper operational possibilities?
>
> I'd like to make a hard drive backup on RW format, but want to be sure all
> data is transferred. I'm confused. 73 Ron W2WU
>
>
>

Date: Sun, 22 Dec 2002 08:57:54 EST
From: N4SKS@cs.com
To: qrp-1@lehigh.edu
Subject: [142844] Help needed -repair
Message-ID: <183.13fe499d.2b371ee2@cs.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Qrp'ers;

I am in need of someone to repair a receiver I have. I no longer have
time or equipment to fix this receiver. I have a Atlas RX-110 (qrp size)
receiver that does not work , someone may have tried to look at it before I
got it. I would be willing to ship the unit to you and pay for the repairs .
Anyone feel like taking it on ? I have no manual , but would get what is
required.

72 Rev. Les Shattuck

Date: Sun, 22 Dec 2002 09:14:32 -0500
From: "Lee Mairs" <lmairs@direcway.com>
To: "John" <jdorson@worldshare.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142845] Re: OT - Capacitor Replacement - Computer Motherboard

Message-ID: <049701c2a9c4\$775b6e00\$3b6d020a@boomer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Might as well tell the whole story. I ordered a BAFO Technologies USB to Serial Adapter from the TigerDirect website and specified USPS delivery to my POB in WV since the postman won't come all the way up the mountain. The website ticket said they would ship via USPS to my WV PO Box, but they later came back saying they were going to ship it to old company address in VA instead of my home in WV. Called them and was told they will not ship to a PO Box unless it is to a serviceman overseas. I guess retired Navy guys don't count. I told them about the mountain, but they said they would have to cancel the order. Fine with me; however I'd paid using Paypal. It has now been a week and they still haven't sent the money back via Paypal. I've called them twice, but they say that it takes them time.

My other "missing " order is to www.eio.com. Ordered some stuff in the beginning of the month, paid via Paypal and now stuff nor confirmation of the order yet. Anybody else have similar problems?

73 de Lee
KM4YY

----- Original Message -----

From: "John" <jdorson@worldshare.net>
To: <lmairs@direcway.com>; "Low Power Amateur Radio Discussion"
<qrp-l@Lehigh.EDU>
Sent: Sunday, December 22, 2002 7:46 AM
Subject: Re: OT - Capacitor Replacement - Computer Motherboard

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> lawyer to get any satisfaction. I was a good customer of theirs' and spent
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> good some of money until I had a bad batch of CPUs' and they would not
> replace them. There are much better companies to deal with.

>

> John K2JHU

> ----- Original Message -----

> From: "Lee Mairs" <lmairs@direcway.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Saturday, December 21, 2002 6:14 PM
> Subject: Re: OT - Capacitor Replacement - Computer Motherboard

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> > From: "David Castor" <dpcastor@attbi.com>
> > To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> > Sent: Saturday, December 21, 2002 5:36 PM
> > Subject: OT - Capacitor Replacement - Computer Motherboard
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> > > Thanks in advance,
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> > > Dave - K7EL
> > >
> > >
> >
>
>

Date: Sun, 22 Dec 2002 09:20:04 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: gm0nwiqrp@btopenworld.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [142846] Re: Anyone In The US or VE Want To Listen For Me Now On 14.059.0
Message-ID: <3E05CA14.25AA6625@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Andy:

It is 1418 z and I am also on frequency, been listening for our freind
Bill VE3XT who is in Italy for the holidays with his YL..He took his K1
with him, and is trying daily at 1400z on 14.060.

Fred

Andy GM0NWI wrote:

>
> Guy's
>
> Andy, GM0NWI/QRP (as alway's...) here in Stirling, central GM-land...
>
> Just got the FT847 "wired for sound" at around 3 watts, with the Paddlette
> too...
> and wondered if ANYONE "over the pond" wouldn't mind givin' me a "radio
> cheque",
> , on 20m, 14.059.0 +/-, as it's only about the 3rd QRP CW QSO, I have made on
> this, my latest "family addition" here in the shack...??
>
> Ant is 2el on tower @ 15 ft at the moment, due to inaccessibility to my

> wheelchair ramp, with
 > frost.....so hang in there.. for me at least...
 >
 > Things,....MIGHT be a "little bit iffy" on my part, been a few months since
 > I have been able to
 > get "on air" with the key, although I practice most days with the rigs
 > oscillator...so if I take a few minutes to "get it on" please be patient...
 >
 > I need ND, SD, Alaska, New Mexico,.....to finish "Worked All States QRP", so
 > if anyone is out there in those respective states, call me....!!!!
 >
 > I will wait here and "monitor" the list for any replys, then if someone
 > wants to try for this, for me, will answer their "post" and then QSY to the
 > rig....
 >
 > Thanks guysand please all of you "Have A Happy Holiday..."
 >
 > Merry Xmas Everyone....
 > " Greetings From Bonnie Scotland..." gm0nwiqrp@btopenworld.com
 >
 > 72's, 73's
 > "..Badda-Bing..Badda-Boom.."
 > Andy
 > A.R.S. "...It is vain to do with more...."
 > "A Dis-Orientated Kiwi...
 > GM0NWI QRP what can be done with less..."
 > In The Northern Hemisphere..."
 >
 > GQRP No.9576
 > QRP-L No.2165
 > Alaskan QRP Club No.190
 >
 > ICQ No.31899603

 Date: Sun, 22 Dec 2002 08:22:20 -0600
 From: "Gene Sailsbury" <gsailsbury@mobill1.net>
 To: "QRP-L" <qrp-l@Lehigh.EDU>
 Subject: [142847] For Sale:
 Message-ID: <007d01c2a9c5\$8a32c630\$42c03fd8@8tracker>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: 7bit

I have a nice Ten Tec Scout for sale.
 With the following modules:

80 meter, 40 meter, 30 meter, 20 meter, 15 meter and
10 meter. The rig is in good condition. Manual and MIC
included. Also the power cord. Price \$300.00 plus shipping.
Gene NOMQ

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.431 / Virus Database: 242 - Release Date: 12/17/2002

Date: Sun, 22 Dec 2002 08:24:08 -0600
From: "Mark Andrews \((KE4IOF\))" <KE4IOF@KE4IOF.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>, <lmairs@direcway.com>
Subject: [142848] Re: OT - Capacitor Replacement - Computer Motherboard
Message-ID: <003301c2a9c6\$5e249630\$43e93e44@carrera>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

As someone who buys and sells stuff via Paypal, the time they are taking is
they're own. It takes all of 10 seconds to refund money. It instantaneously
transfers from their account to yours (and vice-versa). Contact TigerDirect
again and demand an instantaneous refund.

Have you contacted www.eio.com to confirm your order?

Your beef isn't with Paypal; it's the people you're doing business with.

Mark

Mark A. Andrews, KE4IOF
QRP-L 146, QRP-ARCI 10574, QRPp-I 217

----- Original Message -----

From: "Lee Mairs" <lmairs@direcway.com>
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Sent: Sunday, December 22, 2002 8:14 AM
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> > >
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> > >
> > >
> > >
> > >
> >
> >
> >

Date: Sun, 22 Dec 2002 07:29:19 -0700
From: "Bud Haynes" <BudHaynes@peoplepc.com>
To: <lmairs@direcway.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142849] Re: OT - Capacitor Replacement - Computer Motherboard
Message-ID: <003a01c2a9c6\$85a81880\$e4c8fea9@bud>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>>It has
>>now been a week and they still haven't sent the money back via >>Paypal.
I've
>>called them twice, but they say that it takes them time.

Hi Lee

I have dealt with several places that would only credit your account at
the next billing cycle. So they get to use your money for a while, while you
wonder if they will file Chapter 11 before you get the credit !!!!
All of my recent purchases have been through www.newegg.com , they have
fantastic service, I have always had the stuff in 2 days so far and you can
track every stage of the order from the time you place it until you receive
it.

Bud - KV7G - Yuma, AZ

Mailto: BudHaynes@peoplepc.com
Web Page: www.qsl.net/kv7g

Date: Sun, 22 Dec 2002 09:44:11 -0500
From: "Lee Mairs" <lmairs@direcway.com>
To: "qrp1" <qrp-1@Lehigh.EDU>
Subject: [142850] Re: OT - Capacitor Replacement - Computer Motherboard
Message-ID: <04c501c2a9c8\$9a11b400\$3b6d020a@boomer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'll check www.newegg.com out next time I need toys. But, you just can't beat walking into Micro Center and walking out with what you came for. It is one of the bennies of living in the land of lots of traffic and one of the costs of living in the land of no traffic!

73 de Lee
KM4YY

----- Original Message -----

From: "Bud Haynes" <BudHaynes@peoplepc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, December 22, 2002 9:29 AM
Subject: Re: OT - Capacitor Replacement - Computer Motherboard

> >>It has
> >>now been a week and they still haven't sent the money back via >>Paypal.
> I've
> >>called them twice, but they say that it takes them time.
>
> Hi Lee
> I have dealt with several places that would only credit your account
at
> the next billing cycle. So they get to use your money for a while, while
you
> wonder if they will file Chapter 11 before you get the credit !!!!!
> All of my recent purchases have been through www.newegg.com , they have
> fantastic service, I have always had the stuff in 2 days so far and you
can
> track every stage of the order from the time you place it until you

receive
> it.
>
> Bud - KV7G - Yuma, AZ
>
> Mailto: BudHaynes@peoplepc.com
> Web Page: www.qsl.net/kv7g
>
>

Date: Sun, 22 Dec 2002 07:44:31 -0700
From: "Dave Ek" <ekdave@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142851] Re: OT: Need advice on computer upgrade (somewhat lengthy)
Message-ID: <002401c2a9c8\$a3c8bbb0\$8989fea9@oldman>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Mark,

Usually, 486 motherboards can handle a variety of processors, so you should be able to upgrade the chip (I did this several years ago with my own 486 motherboard). However, you'll need to make some jumper or DIP switch changes, and you'll need the manual for the motherboard in order to do so. You might be able to find a copy online--some of the motherboard manufacturers put their manuals online. This board might be too old for the manufacturer to bother, though. You might have to call the manufacturer--good luck.

Frankly, I doubt you'll see enough improvement in performance to make it worth the effort to change processors. You can probably buy a complete motherboard with a Pentium processor on it for next to nothing and get much better performance.

On the subject of the disk drives, swap the cables and then reconfigure the CMOS settings.

73 de Dave NK0E

Mark wrote:

Hi, everyone:

I have an old Dell computer that I want to upgrade, and need some advice on two of the mods that I want to do for the time being.

The first mod is to replace the 486DX33 processor with a 486DX2-66 chip. Will I need to change any of the jumpers on the motherboard, and if so, which ones? (This computer came without a manual.) While I have a manual for a 486 motherboard that I picked up recently, I would think that not all motherboards are alike, and what the manual says might or might not be correct for this one.

The other mod concerns the two floppy drives. Drive "A" is 5.25 inches, and drive "B" is 3.5 inches. I want to make the 3.5 drive to be drive "A". How do I go about doing this? Can I switch hookup cables? Or should I make changes in the system BIOS in SETUP mode? I want to load a later version of DOS than what it currently has, the computer won't load from drive "B", and the DOS commands "ASSIGN" and "SUBSTITUTE" didn't work. I don't want to get rid of the 5.25-inch drive (or the computer, for that matter).

Thanks in advance for everyone's help.

73, Mark, KE5MY

Date: Sun, 22 Dec 2002 09:57:21 -0500
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@lehigh.edu>
Subject: [142852] Re: step drill and Altoids tins
Message-ID: <004101c2a9ca\$6e778610\$bd635cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Before you start using a drill or step drill on the tins why don't you try this. Fill the tin with water and freeze it. The next day top it off with water and freeze for another day. Then you can drill the holes with out damaging the tin if you need to apply any pressure. Run under warm water and start building.

This works for me.

72 & Good DX
Ron de WB3AAL
wb3aal@fast.net
www.n3epa.org

----- Original Message -----

From: "blinn" <blinn@smgazette.com>

> I've been using "Stepped" drill bits for a couple of years now. Drilling
> holes in those thin Altoids tins is a snap. Just gotta have a bit of
> patience and don't push it. I recently found a stepped bit with about
> twice as many steps, giving me more choices for finished holes.

>

> Bill - WA7TQK

>

> ---

> [SMGazette.com E-mail is scanned for viruses by Declude Virus]

> [Visit us on the web at SMGazette.com]

>

>

>

Date: Sun, 22 Dec 2002 10:00:53 +0000

From: ve3ab@mail.mondenet.com

To: qrp-l@Lehigh.edu

Cc: N4SKS@cs.com

Subject: [142853] Atlas Rigs....Re: Help needed -repair

Message-ID: <200212221506.gBMF6R401562@barclay.mondenet.com>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

Hello ..Im Earl ve3ab..I fixed an atlas 210x last year. I have found the Atlas rigs have alot of oxide problems. The plug in circuit boards have contacts that can be cleaned. Basically any contacts plug in or sswitches should be cleaned with a good quality cleaner ie craig?claig? cleaner. The second thing that needed some TLC was one of the pot adjustments on the circuit board. My rig was oscillating by itself on transmit. Adjusting the pot cured that problem. 73 Earl VE3AB

Date: Sun, 22 Dec 2002 10:21:52 -0500
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <ekdave@earthlink.net>, <mark_ke5my@juno.com>
Subject: [142854] Re: OT: Need advice on computer upgrade (somewhat lengthy)
Message-ID: <006301c2a9cd\$dbcb0360\$010044c0@chartermi.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Dave Ek" <ekdave@earthlink.net>
Subject: Re: OT: Need advice on computer upgrade (somewhat lengthy)

> worth the effort to change processors. You can probably
> buy a complete motherboard with a Pentium processor on
> it for next to nothing and get much better performance.

The tricky bit is that most of the MB's you can find nowadays are ATX format, which means a new power supply, case and keyboard, memory, and probably a new mouse. Even if you find an AT motherboard, it seems like Dell went through a period back in the 486 timeframe where they didn't take standard MBs, so depending on the exact age of the system, an AT MB might be the same as an ATX in terms of upgrade complexity.

I went through this exercise a few months ago (with the added complication of needing a PCI slot). I found I could get a 766 MHz MB, processor, keyboard, mouse and case cheaper than I could get a P100 processor and MB. Even more of a surprise, I found a better deal at a downtown computer store than I could find on the web. So it's best to keep your options open!

On the floppies, many newer MBs allow you to make the switch in the BIOS, but the knowledge of which floppy is A is contained in the cable, so switching the cables should do it. Remember you are also going to have to make a BIOS change since the BIOS needs to know the size of the drives.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Sun, 22 Dec 2002 08:35:05 -0700
From: "Dave Ek" <ekdave@earthlink.net>
To: "John J. McDonough" <wb8rcr@arrl.net>,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Cc: <mark_ke5my@juno.com>
Subject: [142855] Re: OT: Need advice on computer upgrade (somewhat lengthy)
Message-ID: <002e01c2a9cf\$b44dd7c0\$8989fea9@oldman>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Good point, John. Actually, I went through a similar exercise about a year ago. I bought a 750 MHz motherboard, AMD Athlon processor, case, power supply, and 128 MB RAM for about \$200. I moved my existing drives and cards over to the new box from the old one, resulting in a significant upgrade for a fraction of the cost of a new system. There may be fewer components in the Dell 486 that can be salvaged in such an upgrade, though (ISA cards, for example). But you're right--you can pick up a new box for not a whole lot of money.

73 de Dave NK0E

----- Original Message -----
From: "John J. McDonough" <wb8rcr@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: <ekdave@earthlink.net>; <mark_ke5my@juno.com>
Sent: Sunday, December 22, 2002 8:21 AM
Subject: Re: OT: Need advice on computer upgrade (somewhat lengthy)

> ----- Original Message -----
> From: "Dave Ek" <ekdave@earthlink.net>
> Subject: Re: OT: Need advice on computer upgrade (somewhat lengthy)
>
>
> > worth the effort to change processors. You can probably
> > buy a complete motherboard with a Pentium processor on
> > it for next to nothing and get much better performance.
>
> The tricky bit is that most of the MB's you can find nowadays are ATX
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> Dell went through a period back in the 486 timeframe where they didn't
> take
> standard MBs, so depending on the exact age of the system, an AT MB might
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> the same as an ATX in terms of upgrade complexity.
>
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> Even more of a surprise, I found a better deal at a downtown computer
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> than I could find on the web. So it's best to keep your options open!
>
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> switching the cables should do it. Remember you are also going to have to
> make a BIOS change since the BIOS needs to know the size of the drives.
>
> 72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
> didileydadidah QRP-L #1446 Code Warriors #35
>
>

Date: Sun, 22 Dec 2002 10:37:25 -0500
From: "Michael Bower N4NMR" <bowerm@ix.netcom.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142856] RE: OT: Need advice on computer upgrade (somewhat lengthy)
Message-ID: <ODE0IKLMAJFGCNMOGAGIEELFCNAA.bowerm@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Guys, I apologize if I say something that's already been said but I haven't been watching this thread closely.

>From what John replied below, I get the idea that the originator is trying to upgrade his 486 or a faster 486 or something like that.

Don't do it! No offense but it just isn't worth it. The amount of work you will put into trying to do this is huge compared to biting the bullet and getting a new machine. yes, it will be cheaper but you time has to be worth something.

I tried this once and failed miserably.

Don't get me wrong. IF (BIG IF) you had the right case and form factor and it was already an ATX type case/MB, then maybe. In fact, I did this in August and it went fairly well. But if you are starting with a machine that is a 486 style machine (form factor MB, case etc.) then you will be fighting it all the way.

Just isn't worth the effort.

If you are in the DC area, contact me direct and I'll give you more info.

Michael N4NMR

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of John J. McDonough

Sent: Sunday, December 22, 2002 10:22 AM

To: Low Power Amateur Radio Discussion

Subject: Re: OT: Need advice on computer upgrade (somewhat lengthy)

----- Original Message -----

From: "Dave Ek" <ekdave@earthlink.net>

Subject: Re: OT: Need advice on computer upgrade (somewhat lengthy)

> worth the effort to change processors. You can probably
> buy a complete motherboard with a Pentium processor on
> it for next to nothing and get much better performance.

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On the floppies, many newer MBs allow you to make the switch in the BIOS, but the knowledge of which floppy is A is contained in the cable, so switching the cables should do it. Remember you are also going to have to make a BIOS change since the BIOS needs to know the size of the drives.

72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
didileydadidah QRP-L #1446 Code Warriors #35

Date: Sun, 22 Dec 2002 07:48:22 -0800
From: Ted Buckley <tedb@aracnet.com>
To: qrp-l@Lehigh.EDU
Subject: [142857] Re: RTFM - Think of this as well...
Message-ID: <5.1.0.14.2.20021222074412.00a9fb80@mail.aracnet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

"Give a man a fish, and he'll eat for a day; teach a man to fish and he'll sit in a boat and drink beer all day."

Ted, WA7DFD, fisherman, brewski tester, collector of radios,

At 02:29 AM 12/22/02 -0500, you wrote:

>Give a guy a beer, he will waste an hour, teach him to brew and

>he will waste the rest of his life.

>

>Fran, Km1z, ham and homebrewer, in both senses, I build radios and make beer.

>

>

>>>What is the saying? Teach a man to fish and feed him for life?

>

>

>>Light a man a fire, you'll warm him once.

>

>>Light a man on fire, you'll warm him for the rest of his life.

>

>

>

Date: Sun, 22 Dec 2002 10:16:29 -0600
From: "Glenn Butzlaff" <gbutzlaff@wi.rr.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@lehigh.edu>
Subject: [142858] RE: OT - Capacitor Replacement - Computer Motherboard
Message-ID: <000001c2a9d5\$7c282890\$6c601f41@sunroom>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf =
Of

Lee Mairs

Sent: Sunday, December 22, 2002 8:44 AM

To: Low Power Amateur Radio Discussion

Subject: Re: OT - Capacitor Replacement - Computer Motherboard

I'll check www.newegg.com out next time I need toys. But, you just =
can't
beat walking into Micro Center and walking out with what you came for. =
It
is one of the bennies of living in the land of lots of traffic and one =
of
the costs of living in the land of no traffic!
73 de Lee
KM4YY

I'll second the [newegg.com](http://www.newegg.com) motion. In my opinion, excellent prices with =
fast
and often free Fedex shipping.=20

Glenn Butzlaff, WE9K

Go Cheeseheads!

Date: Sun, 22 Dec 2002 11:18:26 -0500 (EST)
From: Chris Cartwright <ccart@phideaux.com>
To: QRPL List <qrp-l@lehigh.edu>
Subject: [142859] Re: Class E
Message-ID: <Pine.LNX.4.33.0212221102390.30510-1000000@dns.phideaux.com.>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

WOW! Seems like a technical discussion has broken out on the list :)

I had already added Steve suggestion of the resistor to get a constant input impedance prior to his post, but I'll have to add the filter, and Steve's other suggestions and report back. I had thought that there should be some sort of regulation on the bias pot, since the voltage would drop when I key it up, and then some tweaking of the pot would bring it back in line. Of course when it was unkeyed the MOSFET started to warm up a bit.

I did see a lot of web pages, and some with a lot of math on them <ouch>. I'll go back and see if I can make some sense out of it, and might try and scale back some of the QRO designs on that one page.

I did notice that in W1FB Design Notebook (pp 162), he says about forward gate bias "I use +2V for CW operation and 3.5V for linear service". So I'm not sure if the difference there is Class C vs. Class A or E, but hey, I'm new at this. I was under the impression that linear stuff needed to be A, AB, or B and that C was good for CW and FM stuff. And Class D and E??? Well that's why I'm doing the playing around that I'm doing now. But on the QRO class E page they're using these things for AM. So now it seems I'm in the shadowy gray part of understanding this thingie. Sort like i before e except after c and when... Well you get the idea. I'm sure there are hard and fast rules for Class E, except for the exceptions :)

72

```
-- Chris Cartwright,   Unix Administrator |      ccart@phideaux.com      --
-- N3XRV      ARRL-VE   Norcal Zombie #163 |      Oxford, PA 19363 FM29as    --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

Date: Sun, 22 Dec 2002 11:36:26 -0500
From: "Rex Harper" <w1rex@megalink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142860] HB: Ti(n)s the season again....a little longish
Message-ID: <001901c2a9d8\$46938be0\$5f3ca43f@stickfarmers>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Qrp Gangue,

The prime season for scouting out new and interesting tins is once again upon us. There are all sorts of gift items packaged in tins this holiday season. I have noticed a disturbing trend; however, where more and more of the gift sets are featuring porcelain rather than tin. Gift sets do not carry much weight in my overall gift giving strategy so this trend does not effect me that much. I offer to you now a few tips to enable you to maximize your personal enjoyment (and gains) during the holiday shopping frenzy.

TIP #1.) Boxed gift sets can be split up to "maximize the purchase benefits".

GIFT EXAMPLE #1: In Wallyworld's jewelry department there are wallets in gift tins. Some have dogs, cars , trucks etc on them; but, one line,

Sportsman, has a nice small mens wallet and money clip with built-in knife in a very QRPworthy tin. Very attractive with just parallel embossed lines and the word SPORTSMAN on the cover. No annoying graphics to remove of paint over. Even sounds like the name of a perfect trail radio. Still not sure who is the lucky man on my list who will receive a wallet this year. *** Bonus Time*** the money clip/knife combo can be used as another gift or can be used on the QRP bench as a paperweight for keeping important operating notes or records in place.

SCORE: GIFT LIST: -1 TIN STASH: +1 QRP
ACCESSORIES: +1
(I opted to keep the knife/clip)

TIP #2.) Find the "perfect" gift first then decide who the "perfect" recipient is.

GIFT EXAMPLE #2: Also in the jewelry depart of Wallyworld, an eXtreme bracelet and necklace set from Panama Jack in another QRPworthy tin. This one is another very attractive tin that looks like the galvanized metal that step & tow bumpers are made of. A very nice embossed area on the top where the screened Panama Jack can be easily stickered over with a rig nameplate. Not sure who will receive the necklace and bracelet set but I'm sure that I can think of somebody.

SCORE: GIFT LIST: -1 TIN STASH: +1 QRP
ACCESSORIES: 0

TIP #3.) Capitalize on having identical twins in your family.

GIFT EXAMPLE #3: I really liked the Panama Jack tin so I decided to give identical gifts (except for colors) to the identical twins....Whoa! I love it when neurons all fire together!

SCORE: GIFT LIST: -1 TIN STASH: +1 QRP
ACCESSORIES: 0

TIP #4.) If you are instructed to buy a particular item by your XYL, say earrings, and you find a nice item on a card and another nice item that just-so-happens to be packaged in a QRPworthy tin. Buy the tinned item!!

TIP #5.) Personalized gifts are always well received.

TIP #6.) Anything 'handcrafted' by a 3 or 4 year old is always well received.

GIFT EXAMPLE #4: Another line of jewelry items in Wallyworld are packaged in lift top tins that are the exact same size as Altoids TM and Zomboids TM. Earrings and ring sets with very attractive pricing. One can knock off several kids on the ol' holiday gift list and score big. Kidzie graphics...but only of the top cover...only half the work to refinish if

desired. My just turned 4 daughter Katy is now working merrily at the 'craft table' making personalized cards to attach the earrings and rings to.

SCORE: GIFT LIST: -4 TIN STASH: +4 QRP
ACCESSORIES: 0

TIP #7.) If something in an extremely QRPworthy tin "looks like you" then simply add it to YOUR Christmas wish list.

TIP #8.) Everything "looks the same" on your QRP bench in the shack to a dis-interested XYL.

TIP #9.) XYLs who hate to shop are very receptive to shopping directions.

GIFT EXAMPLE #5: I added a Sportsman wallet set to my list. I will then have 2 tins to make rigs into. I really wanted to put the Panama Jack set on my list.....but I just would not be able to pull that off, so I settled on applying Tip #3 to the Panama Jack set and Tips 7,8 & 9 to the Sportsman set.

SCORE: GIFT LIST: 0 TIN STASH: +1 QRP
ACCESSORIES: #1

TIP #10.) *****EXTREMELY CRITICAL TIP***** You could be "playing with fire" if you play the Tips 7,8 & 9 along with already snagging the very same tin during a gift purchase. If the two tins ever co-exist on your bench and the dis-interested XYL suddenly "takes interest" and notices them, it could spell trouble. Make sure the tins are continuously mutually exclusive in residence. One at home and one at work or something like that. And REALLY watch out if you are combining Tip #3 with #s 7,8, & 9. Having a multitude of the same tin when your XYL might (still be able to) remember that she only purchased 1 could spell DISASTER!

TIP #11.) If you should throw caution to the wind and decide to ignore Tip #10, AND you can successfully juggle the multitude of tins, your XYL might think that you loved "HER" gift so much that you just can't put it away. Could score big in the hugs and kisses department.

TIP #12.) Holiday stuff is usually drastically reduced after Christmas. I just know that I will have "to go to work" early on the 26th. Oh, by the way, Wallyworld is right on my way to work.....

Well, there is only two more shopping days left to make use of these tips so get shopping!

Merry Qrpmass!

W1REX Rex Harper "The Tinman"

Date: Sun, 22 Dec 2002 09:16:24 -0800 (PST)
From: Jim Cluett <w1pid@yahoo.com>
To: qrp-1@lehigh.edu
Subject: [142861] Antenna here is Xmas tree lights
Message-ID: <20021222171624.15999.qmail@web11607.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I had this goofy idea last night... why not load up the lights on the Christmas tree in the living room for an antenna? Nice holiday QRP experiment... So this morning I gave it a try. Worked Norway on 20 meters and England on 15 meters with the FT-817 at 5 watts and a ZM-2 tuner. When I told Al, GM3JKS about the setup, he sent back: "Congratulations on the 5 watts and Christmas tree lights for antenna." The lights comprised a string of 100... probably 25 feet long and I used the neutral side of the lead. So we take SKN, add Rock Mites AND a Christmas tree antenna... now we got something! Merry Christmas de Jim w1pid@arrl.net

Do you Yahoo!?
Yahoo! Mail Plus - Powerful. Affordable. Sign up now.
<http://mailplus.yahoo.com>

Date: Sat, 21 Dec 2002 02:10:21 -0500
From: Alex <kr1st@amsat.org>
To: aa5tb@arrl.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [142862] Re: New Altoids Flavor???
Message-ID: <3E0413DD.AA85A036@amsat.org>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A friend of ours loves Altoids. So I asked her for a couple of tins for some future projects. I'm set for live now as she handed me immediately a bag with almost 60 of 'em.

A few of them carry an image of posing body builder who has an Altoids tin between his fists:

<http://www.kr1st.com/tin.jpg>

I thought they'd make very appropriate QRPeppermint rig enclosures, too. Never saw the cinnamon tin, though. I'm sure it makes a lot more attractive enclosure. :)

73,
--Alex KR1ST

Stephen Yates wrote:

>
> I personally like the cinnamon flavored Altoids with the babe in a red dress
> on the tin! And my wife bought them for me - gotta luv her! It would make
> a nice case for a "red hot 20" or something.
>
> 73,
> Steve Yates - AA5TB
>
> <http://www.qsl.net/aa5tb/>

Date: Sun, 22 Dec 2002 11:40:52 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,
Low Power Group <qrp-l@LeHigh.EDU>
Subject: [142863] Fox - Winter Fox Hunt TeamsResults.
Message-ID: <Pine.LNX.4.33.0212221132310.114-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hunt #11 - AC7A -

Michael - K6MMC *
Todd - AG0T *
Don - KC2CK
Woody - WD9F *
Trev - KG6CYN *

Jerry - N9AW *
Jim - WA9TZE * Clean
Lon - W9XU * Sweep
Rick - NK9G *
Glenn - WE9K *

NE-TX TORNADOS - 49

p-Shooters - 21

Chuck - W5USJ *
Bill - K5JHP *
Don - K5DW *
Doc - W5TB *
George - W5YR *

Chuck - K7Q0
Gary - NQ7T
Jim - KC1FB *
Wayne - W5KDJ *
Tony - KB9YIG *

Raiders of the Lost RF - 39

Swamp Rats - 46

Dan - VE6EX *
Earl - VA6RF *
Fred - VE3FAL
Robert - VE6JAZ *
Bruce - VE5RC

Larry - N2WW *
ET - N1FN *
Paul - K4FB
Doc - K0EVZ *
Tom - N1TP *

K1 K9s - 32

Cajun Thunder - 37

Lloyd - K3ESE *
John - K8HJ
Ralph - KD1R
Joe - W2RBA
Alan - N3BJ *

Wayne - K5E0A *
Jim - N5IB *
Vern - AA50 *
Wayne - N5YFC
Tom - AC5JH *

Great Lakers - 34

Underdogs - 41

Mark - K2Q0 *
Tom - KV2X *
Al - K2ZN *
Bill - K2TER
Jeff - VA3JFF

Dan - N4R0A *
Dave - W0CH *
Ron - KI0II *
Randy - K7TQ
Art - KB7WW *

Aluminum Kings - 33

Dust Devils - 32

Bob - N4BP *
Jim - N0UR * Clean
Al - K0FRP * Sweep
Pat - K0PC *
Wayne - N9NE *

George - KR5C *
Martin - N6LIF
Eric - NM5M
Dale - K5SR *
Lew - N5ZE *

Loco-motives - 28

Frank - K2PQ *
Jack - K5FSE *
Jason - N8XE *
Mike - VA6MJT
Wayne - K9DI

..please send any changes and/or corrections directly to me...thank
you...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Sun, 22 Dec 2002 12:40:09 -0500
From: "brian" <brian@iquest.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [142864] Re: Antenna here is Xmas tree lights
Message-ID: <003f01c2a9e1\$2d095fc0\$68692bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Jim,

I just looked this up in the book and there is no way this can work.
<snicker>

Way to go! That sounds like something I will try tonight for sure.

So tell me...are those regular Xmas lights or did you buy the DXmas
lights?

----- Original Message -----

From: "Jim Cluett" <w1pid@yahoo.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Sunday, December 22, 2002 12:16 PM

Subject: Antenna here is Xmas tree lights

> I had this goofy idea last night... why not load up
> the lights on the Christmas tree in the living room
> for an antenna? Nice holiday QRP experiment... So this
> morning I gave it a try. Worked Norway on 20 meters
> and England on 15 meters with the FT-817 at 5 watts
> and a ZM-2 tuner. When I told Al, GM3JKS about the
> setup, he sent back: "Congratulations on the 5 watts
> and Christmas tree lights for antenna." The lights
> comprised a string of 100... probably 25 feet long and
> I used the neutral side of the lead. So we take SKN,
> add Rock Mites AND a Christmas tree antenna... now we
> got something! Merry Christmas de Jim w1pid@arrl.net
>

> _____
> Do you Yahoo!?

> Yahoo! Mail Plus - Powerful. Affordable. Sign up now.

> <http://mailplus.yahoo.com>

>

>

Date: Sun, 22 Dec 2002 12:41:17 -0500

From: John Harper AE5X <ae5x@qsl.net>

To: QRP-L <qrp-l@lehigh.edu>

Subject: [142865] 23 dB gain - Class E and Norcal 40A articles series

Message-ID: <000301c2a9e1\$54b132f0\$6401a8c0@Home>

MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

Morning folks,

I've searched high & low here for copies of a series of articles from QST (believe from 1993 or 1997) describing Class E amps in detail and a 400 watt class E amp (using a \$2 FET!) designed exclusively for the for the Norcal 40A transceiver.....cain't find it. If anyone has QST on CD and could do a

search, I'm sure it would be of interest here on the list. As I remember, the amp also required an interface circuit to slightly delay the keying of the Norcal so that the amp was already keyed and biased by the time the RF from the Norcal arrived at its input. Details and plans for building this circuit were also included in the articles.

If someone knows the month/years of these issues, would you please post it to the list?

Thanks and Happy Holidays,

John Harper AE5X

Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>

Date: Sun, 22 Dec 2002 10:51:34 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-1@lehigh.edu
Subject: [142866] This list is falling apart
Message-ID: <Pine.LNX.4.44.0212221043300.1780-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I asked if anyone could derive the conditions for a Class D and E amplifier. I derived the conditions for Class A,B and C. What I got in reply were messages like this:

Date: Sun, 22 Dec 2002 11:28:29 -0500
From: Brian Short <bshort4@cox.net>
To: Karl F. Larsen <k5di@zianet.com>
Subject: Re: Class E Amp??

Do you have to ask idiotic questions continuously?

Do you have to respond to every single thread?

You need help. I hope you will get it.

On Sunday, December 22, 2002, at 11:33 AM, Karl F. Larsen wrote:

To Brian Short I hope YOU drop this list and go back to whatever hole you came out of.

I am still trying to find out what Class E is. I will try Google and see if it has help. I was directed to Mr. Short to his web page which is just like mine. Glitters but not much else.

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

Date: Sun, 22 Dec 2002 09:50:03 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [142867] Re: step drill and Altoids tins
Message-ID: <MABBJ0EAB0ILMKCJCLFCKEBPDOAA.n6wg@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Cool idea.
73, Bob N6WG

Date: Sun, 22 Dec 2002 13:08:56 -0500
From: "brian" <brian@iquest.net>
To: <ae5x@qsl.net>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142868] Re: 23 dB gain - Class E and Norcal 40A articles series
Message-ID: <002101c2a9e5\$3268a940\$df6a2bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Lookie here:

<http://www.cco.caltech.edu/~mmic/reshpubindex/class-e/poweramp.htm>

----- Original Message -----

From: "John Harper AE5X" <ae5x@qsl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, December 22, 2002 12:41 PM
Subject: 23 dB gain - Class E and Norcal 40A articles series

> Morning folks,
>
> I've searched high & low here for copies of a series of articles
from QST
> (believe from 1993 or 1997) describing Class E amps in detail and a
400 watt
> class E amp (using a \$2 FET!) designed exclusively for the for the
Norcal
> 40A transceiver.....cain't find it. If anyone has QST on CD and
could do a
> search, I'm sure it would be of interest here on the list. As I
remember,
> the amp also required an interface circuit to slightly delay the
keying of
> the Norcal so that the amp was already keyed and biased by the time
the RF
> from the Norcal arrived at its input. Details and plans for building
this
> circuit were also included in the articles.
>
> If someone knows the month/years of these issues, would you please
post it
> to the list?
> Thanks and Happy Holidays,
>
> John Harper AE5X
> Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>
>
>
>
>
>
>

Date: Sun, 22 Dec 2002 13:14:43 -0500
From: "brian" <brian@iquiest.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [142869] Need WAS help
Message-ID: <002f01c2a9e6\$0124db00\$df6a2bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I am down to the nitty gritty.

I need:

Kansas, Montana, Alaska, Hawaii, and Mississippi for my mixed Band CW WAS this year.

I am off work until Jan 2.

If you can assist, please email me. I will be hanging out on 15m today and 20m later in the afternoon....on the 060's.

Trusty K1, 5w, and the attic dipole.

73

```
=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====
```

Date: Sun, 22 Dec 2002 13:17:10 -0500
From: John Harper AE5X <ae5x@qsl.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [142870] Re: 23 dB gain - Class E and Norcal 40A articles series
Message-ID: <000b01c2a9e6\$59bff600\$6401a8c0@Home>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Thanks guys...here are the links:

<http://www.its.caltech.edu/%7Emmic/reshpubindex/papers/QST.pdf>

<http://www.arrl.org/members-only/tis/info/pdf/9903040.pdf>

John Harper AE5X
Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>

Date: Sun, 22 Dec 2002 10:25:44 -0800
From: "William Phinizy" <k6whp@verizon.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [142871] Re: Autek WM-1 Help
Message-ID: <005901c2a9e7\$8b4e4fe0\$e463e043@k6whp>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

My sincere thanks to all those who replied. This is one whale of a list. I received many offers of manual copies, one e-mailed a .jpg of the manual pages to me and another fine gentleman faxed a copy to me. I am sincerely grateful.

By the way, the eHam.net reviews had some negative comments about the unit, but **all** responses from this list were positive. Turns out that the device is accurate and well built. I personally did not find any construction problems with mine and, having diddled with the internal pots, had to go through the calibration process again.

The meters are a bit pricey new: \$150 MSRP. Although, they are definitely competitive with such as the Mirage MP-1. It has dual meters, they are large (no squinting from the operating position to see what your power is), and are NOT CROSSED (personal prejudice). If you happen by a unit at a swap meet and can pick it up for a good price, then you won't be disappointed. If the manual is missing, it is available from Autek for \$3 and is only 5 8x11 pages. I and others on this list will be more than happy to send/fax/email you a copy.

Words of caution: Autek does NOT include the schematic of the main unit with the manual nor will they provide it for proprietary reasons. They do provide a schematic of the control head, however. Also, be advised that if you do not receive the original wall wart to power one, be double-extra-careful in substituting your own power source. I was warned by many respondents theirs was a negative center device. Many units were but it wasn't always the case. Don Foster, K5KW, said it best (reprinted without permission):

> One word of caution. I stated in my e-mail that the center pin of the

power

> connector takes the minus voltage lead. Further reading of Autek material
> indicates that this is not always so. Here's the reason for my apparent
> discrepancy.

>

> I have two manuals, one for an older unit that I bought in 1990 and
another

> manual for one that I bought in 1998. The older manual is silent on which
> lead is which. So, I checked my watt meter and it has a minus connection
to

> the power jack center pin. That's what I reported to you.

>

> However, in reading the newer manual that I found later, I read the
> following:

>

> "The WM1 needs +9 to 18 VDC at approximately 15 ma. Plug the 115 VAC
adapter

> into the rear panel jack. If you use external power, note that SOME WM1's

> HAVE JACKS WITH THE INNER CONNECTOR '+', BUT MOST HAVE INNER CONNECTORS

> "-". To avoid damage to the unit, temporarily connect your external power

> supply or battery "-" lead to the cabinet and connect the battery "+" lead

> to the WM1 reran power jack to see which lead is ground. Or, check with an

> ohmmeter between chassis and power jack."

>

> I believe I'd check with an ohmmeter instead of applying battery power.

>

..I did and found mine WAS a center positive kind of guy - at least it isn't
smoking when I operate it!

Thanks again to Don and all of the other folks for their time and help.

Best wishes to all on the list for a merry Christmas and happy New Year.

72,

Bill, k6whp

Date: 22 Dec 2002 13:24:51 -0500

From: Michael Clark <mdc@oldboy.net>

To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [142872] Recommendation for torroids

Message-ID: <1040581491.13910.32.camel@dublin.oldboy.net>

Content-Type: text/plain

Mime-Version: 1.0

Content-Transfer-Encoding: 7bit

What would y'all recommend as an assortment of toroidal cores for HF experimentation? Sizes and core materials?

Amidon Associates has several kits listed on their site at:
http://www.amidon-inductive.com/associates_prod_chokes.htm

Are any of those recommended?

Thanks in advance!

--

Michael Clark AA4YH <mdc@oldboy.net>

Date: Sun, 22 Dec 2002 10:24:08 -0800
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: <kd1jv@moose.ncia.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142873] Re: Class E
Message-ID: <002801c2a9e7\$533c5e80\$0d0cf4d8@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Steve and all,

I'm really enjoying this discussion on Class E and Mosfets! Think I'm going to get some parts and play around with it.

Steve mentioned:

> Anyway, the idea is that by tuning (resonating) the output of the
> amplifier, you can make it switch on when there is zero volts across
the
> device, in this case a MOSFET. I can't quite wrap my mind around how
this
> happens, but I guess it does :-)
>
> So, if the output network on the original amplifier in question is
tuned in
> such a way as to make this happen, it must be a Class E amp, and you
must
> have the proper output network to make it a Class E.

So I guess that you'd need an adjustable output filter to "resonate" or "peak" it on different frequencies? Other wise it seems that you'd have a very narrow band to operate in. How touchy is this? Sounds like we're back to "Tune Your Final" ;-)

73's Trev KG6CYN

<http://home.earthlink.net/~kg6cyn>

<http://www.qsl.net/kg6cyn>

Date: Sun, 22 Dec 2002 13:24:46 -0500
From: John Harper AE5X <ae5x@qsl.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [142874] Re: 23 dB gain - Class E and Norcal 40A articles series
Message-ID: <002601c2a9e7\$681f3390\$6401a8c0@Home>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

The previous links were sent to me by N3XRV and W9OJ. Thanks again...73,

John Harper AE5X

Outdoor QRP & 80-Meter DXing: <http://www.ae5x.com>

Date: Sun, 22 Dec 2002 13:31:26 -0500
From: "brian" <brian@iquest.net>
To: <mdc@oldboy.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [142875] Re: Recommendation for torroids
Message-ID: <001101c2a9e8\$578bed10\$0b64030a@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

I think W8DIZ has a nice mixture as well.

<http://www.kitsandparts.com>

=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====

----- Original Message -----

From: "Michael Clark" <mdc@oldboy.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, December 22, 2002 1:24 PM
Subject: Recommendation for torroids

> What would y'all recommend as an assortment of toroidal cores for HF
> experimentation? Sizes and core materials?
>
> Amidon Associates has several kits listed on their site at:
> http://www.amidon-inductive.com/associates_prod_chokes.htm
>
> Are any of those recommended?
>
> Thanks in advance!
> --
> Michael Clark AA4YH <mdc@oldboy.net>
>
>
>

Date: Sun, 22 Dec 2002 13:34:05 -0500
From: Jerry Lofstead <w3cde@bellsouth.net>
To: ve1vq@auracom.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [142876] Re: Mother board cap problem
Message-ID: <3E06059D.50A8D0C7@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave,

According to the industry journals I get, they do explode also and cause a mess. CISCO is in deep dodo with their routers. Problems are showing up all over and in hurting and going to continue to hurt their bottom line, which has a problem now.. People are now wondering about how smart it is to source parts from one foreign source. It has finally turned on the light to the military also... Bout time.

Jerry
W3CDE

Dave Marling wrote:

>
> Over the last couple of months, as a sub-contractor for IBM, I've replaced
> several dozen mother boards with the electrolytic problem. To see if your
> board has a problem check the tops of the electrolytic capacitors, usually
> surrounding or near the processor chip. The trouble capacitors have either
> bulging tops alone or bulging tops combined with a residue of vented
> material along the vent lines. I have not found (or heard of) any case
> where the capacitor exploded. They simply bulge at the top or bulge and
> vent. In some cases the pc still worked, in others the first sign of
> trouble was intermittent operation .
>
> Dave
> VE1VQ

Date: Sun, 22 Dec 2002 13:40:08 -0500 (EST)
From: Chris Cartwright <ccart@phideaux.com>
To: QRPL List <qrp-l@lehigh.edu>
Subject: [142877] Re: Class E
Message-ID: <Pine.LNX.4.33.0212221330240.30510-100000@dns.phideaux.com.>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 22 Dec 2002, Trevor Jacobs wrote:

> I'm really enjoying this discussion on Class E and Mosfets! Think I'm
> going to get some parts and play around with it.

Sheesh, you make one technical post to the list, and pretty soon everybody wants to build something :)

It's been a blast for me so far Trevor. I have a fair amount of test equipment around, so I can see what's going on inside the circuit. But

even that hasn't lead to the "Eureka!" epiphany moment. Now that others have mentioned articles and URL's I've forgotten about (or never seen), and I've gone back to re-read some of them, I think I'm closer to having a clue. But the light bulb over my head is just barely starting to glow.

I've decided to download Multisim stuff mentioned in Lenny's article, but at 48K, I'm not gonna get to play with it until later this afternoon. It takes 32M a while to get out here in country, but then again I do have a 4 acre "antenna range" :) Ok, back to letting the smoke out of some more MOSFET's, woohoooo!!!

72

```
-- Chris Cartwright,   Unix Administrator |      ccart@phideaux.com      --  
-- N3XRV      ARRL-VE   Norcal Zombie #163 |      Oxford, PA 19363 FM29as    --  
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

Date: Sun, 22 Dec 2002 11:42:51 -0700
From: William R Colbert <w5xe@juno.com>
To: qrp-l@lehigh.edu
Subject: [142878] Re: This list is falling apart
Message-ID: <20021222.114254.-359995.2.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Unfortunately most of those comments were spot on,
and it doesn't take much to read previous posts from
the s NM area to see why the list is as it is.

Ray Colbert, W5XE, 00TC#3618, SOWP#1064M
NARTE-NCT2R QRP-ARCI 5784
El Paso, (FAR WEST) TEXAS

Date: Sun, 22 Dec 2002 11:55:43 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [142879] Got data but Class B, not Class E
Message-ID: <Pine.LNX.4.44.0212221139370.1780-100000@bucket.dog>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I found a message that directed the reader to:

http://www.ussc.com/~turner/mpm_class_e.html

and I went there and read the page with avid interest. The author has a waveform picture you can click on and it gets bigger. I saved that .gif image and printed it with Gimp.

It's very clear that the Mosfet current (gate current) flows 50% of the time. This is the definition for a Class B amplifier. I'm at a loss to see what makes it any other Class. I think if the Mosfet was of a faster type with lower capacity between source and drain the current might flow for more of the half cycle.

If they had a faster switch they might get into class C where the current flows just a small portion of a half cycle, but not sure without testing if the efficiency would improve.

If anyone cares to learn about Class E you need to read this web page.

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

Date: Sun, 22 Dec 2002 13:07:55 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'mertnellis@msn.com'" <mertnellis@msn.com>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [142880] RE: Hacking the NJQRP/K8IQY PVX0
Message-ID: <01C2A9BB.26153DE0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Sounds pretty slick. It would be nice if you could correlate the sweep voltage exactly to frequency.

That would be a good one to do on a PC. If you had a DDS, the PC could control the frequency exactly. Then you'd need an A/D to tell it the output of the detector. (I have a couple ways in mind for that ... one is a Radio Shack DVM that has a serial output, another is a D/A and PIA card I

built for the PC a while back.) Then you could automate the whole shootin' match. The PC would find the peak and half power points.

It could find Rs too, if it had a correlation of detector output to Rs.

That's the manual method I'm using now. I insert several values of R in the crystal socket (8.2, 10, 12, 15, 18) and log the readings. Then when I tune the test crystal to max output, I interpolate the Rs from my logged readings. But I'm not sure I trust this, so I keep double checking my logged readings to make sure my oscillator output power isn't changing over time.

72--Nick, WA5BDU

On Saturday, December 21, 2002 9:57 PM, Merton Nellis
[SMTP:mertnellis@msn.com] wrote:

> Greetings,
> I have been doing some adding to the PVX0 also. But lately I have added
a sweep voltage in place of the PVX0 pot to
> be able to see the tuning peaks on the scope by sweeping the x axis and
> putting the output of the test fixture on the y axis. Sort of a narrow
> spectrum analyzer I hope. I am doing some adjusting yet but when I get
it
> looking good will talk about it.
> 73/72 Mert W0UFO MNQRP
>
>_3mf

Date: Sun, 22 Dec 2002 11:26:07 -0800
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: <bowerm@ix.netcom.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142881] Re: OT: Need advice on computer upgrade (somewhat lengthy)
Message-ID: <009201c2a9ef\$fada8ce0\$0d0cf4d8@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

FWIW, this computer will be the last one that I build myself. Computers are so cheap now that it's not worth the headache of building your own unless you're doing it for either a learning experience or for fun. Personally, I'd stick with Dell. They make great machines and have great service/support. Our company only buys Dell machines and rarely do we

have issues with them. I bought a new notebook from them this Summer and it's been 100% awesome!

I'd rather be homebrewing a new rig or something than spending my time tweaking a computer. To me the computer is the tool to get the rest of my work done, and I don't need a tool that's going to break all the time ;-) Take care...

73's Trev KG6CYN

<http://home.earthlink.net/~kg6cyn>

<http://www.qsl.net/kg6cyn>

----- Original Message -----

From: Michael Bower N4NMR <bowerm@ix.netcom.com>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Sent: Sunday, December 22, 2002 7:37 AM

Subject: RE: OT: Need advice on computer upgrade (somewhat lengthy)

> Guys, I apologize if I say something that's already been said but I haven't

> been watching this thread closely.

>

> >From what John replied below, I get the idea that the originator is trying

> to upgrade his 486 or a faster 486 or something like that.

>

> Don't do it! No offense but it just isn't worth it. The amount of work you

> will put into trying to do this is huge compared to biting the bullet and

> getting a new machine. yes, it will be cheaper but you time has to be worth

> something.

>

> I tried this once and failed miserably.

>

> Don't get me wrong. IF (BIG IF) you had the right case and form factor and

> it was already an ATX type case/MB, then maybe. In fact, I did this in

> August and it went fairly well. But if you are starting with a machine that

> is a 486 style machine (form factor MB, case etc.) then you will be fighting

> it all the way.

>

> Just isn't worth the effort.

>
> If you are in the DC area, contact me direct and I'll give you more
info.
>
> Michael N4NMR
>
>
> -----Original Message-----
> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On Behalf
Of
> John J. McDonough
> Sent: Sunday, December 22, 2002 10:22 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: OT: Need advice on computer upgrade (somewhat lengthy)
>
>
> ----- Original Message -----
> From: "Dave Ek" <ekdave@earthlink.net>
> Subject: Re: OT: Need advice on computer upgrade (somewhat lengthy)
>
>
> > worth the effort to change processors. You can probably
> > buy a complete motherboard with a Pentium processor on
> > it for next to nothing and get much better performance.
>
> The tricky bit is that most of the MB's you can find nowadays are ATX
> format, which means a new power supply, case and keyboard, memory, and
> probably a new mouse. Even if you find an AT motherboard, it seems
like
> Dell went through a period back in the 486 timeframe where they didn't
take
> standard MBs, so depending on the exact age of the system, an AT MB
might be
> the same as an ATX in terms of upgrade complexity.
>
> I went through this exercise a few months ago (with the added
complication
> of needing a PCI slot). I found I could get a 766 MHz MB, processor,
> keyboard, mouse and case cheaper than I could get a P100 processor and
MB.
> Even more of a surprise, I found a better deal at a downtown computer
store
> than I could find on the web. So it's best to keep your options open!
>
> On the floppies, many newer MBs allow you to make the switch in the
BIOS,
> but the knowledge of which floppy is A is contained in the cable, so
> switching the cables should do it. Remember you are also going to

have to

> make a BIOS change since the BIOS needs to know the size of the drives.

>

> 72/73 de WB8RCR <http://www.qsl.net/wb8rcr>

> didileydadidah QRP-L #1446 Code Warriors #35

>

>

>

Date: Sun, 22 Dec 2002 13:26:15 -0600

From: Nick Kennedy <nkennedy@tcainternet.com>

To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>

Subject: [142882] RE: Recommendation for torroids

Message-ID: <01C2A9BD.B4C7C7E0.nkennedy@tcainternet.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

I'd recommend some 1/2 inch and 0.375 inch versions of the -2 and -6 (red and yellow) iron powder and some of the same sizes of type 43 ferrite.

Check out Diz's page. Sometimes, you'll also see the -7 (white) iron powder used in VF0s because of its lower temperature coefficient. Dan's has some of those.

72 & happy coil winding--

Nick, WA5BDU

> On Sunday, December 22, 2002 12:25 PM, Michael Clark

[SMTP:mdc@oldboy.net] wrote:

> > What would y'all recommend as an assortment of toroidal cores for HF

> > experimentation? Sizes and core materials?

> >

>

Date: Sun, 22 Dec 2002 11:30:50 -0800 (PST)

From: "W2BJ" <w2bj@minsky.info>

To: k5di@zianet.com

Cc: qrp-l@Lehigh.EDU

Subject: [142883] Re: This list is falling apart

Message-ID: <20021222113050.20820.h004.c001.wm@mail.minsky.org.criticalpath.net>

Content-Type: text/plain; charset=iso-8859-1

Content-Disposition: inline
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

Hi Karl,
There is no such thing as a stupid question except
the one that was not asked. If people don't like
your questions, let them delete your messages. I
have been a ham since 1955 and still have
questions to ask. Have a great Christmas and New
Year. Keep the questions coming.
72/73,
Barry, W2BJ

On Sun, 22 Dec 2002, "Karl F. Larsen" wrote:

> I asked if anyone could derive the conditions
> for
> a Class D and
> E amplifier. I derived the conditions for Class
> A,B and C. What I got in
> reply were messages like this:
>
>
> Date: Sun, 22 Dec 2002 11:28:29 -0500
> From: Brian Short <bshort4@cox.net>
> To: Karl F. Larsen <k5di@zianet.com>
> Subject: Re: Class E Amp??
>
> Do you have to ask idiotic questions
> continuously?
>
> Do you have to respond to every single thread?
>
> You need help. I hope you will get it.
>
> On Sunday, December 22, 2002, at 11:33 AM, Karl
> F.
> Larsen wrote:
>
> To Brian Short I hope YOU drop this list and go
> back to whatever hole
> you came out of.
>
> I am still trying to find out what Class E is. I
> will try Google and see
> if it has help. I was directed to Mr. Short to
> his

> web page which is
> just like mine. Glitters but not much else.

Date: Sun, 22 Dec 2002 14:40:34 -0500
From: "Jim Stamper" <jstamper@shentel.net>
To: <wb3aal@fast.net>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142884] Re: step drill and Altoids tins
Message-ID: <002f01c2a9f2\$014c69c0\$ce386fcc@jim>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Now that's a great idea. Why didn't I think of it??

73,
jim-
KG4LDY

----- Original Message -----

From: "Ron Polityka" <wb3aal@fast.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, December 22, 2002 9:57 AM
Subject: Re: step drill and Altoids tins

> Before you start using a drill or step drill on the tins why don't you try
> this. Fill the tin with water and freeze it. The next day top it off with
> water and freeze for another day. Then you can drill the holes with out
> damaging the tin if you need to apply any pressure. Run under warm water
and

> start building.

>

> This works for me.

>

> 72 & Good DX
> Ron de WB3AAL
> wb3aal@fast.net
> www.n3epa.org

>

> ----- Original Message -----

> From: "blinn" <blinn@smgazette.com>

>

> > I've been using "Stepped" drill bits for a couple of years now.
Drilling

> > holes in those thin Altoids tins is a snap. Just gotta have a bit of
> > patience and don't push it. I recently found a stepped bit with about
> > twice as many steps, giving me more choices for finished holes.
> >
> > Bill - WA7TQK
> >
> > ---
> > [SMGazette.com E-mail is scanned for viruses by Declude Virus]
> > [Visit us on the web at SMGazette.com]
> >
> >
> >
>
>

Date: Sun, 22 Dec 2002 14:49:16 -0500
From: "brian" <brian@iquest.net>
To: <kg6cyn@earthlink.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142885] Re: OT: Need advice on computer upgrade (somewhat lengthy)
Message-ID: <002101c2a9f3\$3780a500\$1364030a@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Amen to that...just bought my college student son a new PC for
Christmas. HP something, Celeron 2Ghz, 256MB RAM, 17 inch display,
color printer (has a place for both cartridges so you don't waste your
color ink on printing black text, 60GB drive, 10/100 Enet port, 17
inch SVGA display, mouse, keyboard, and Win XP for less than \$650

----- Original Message -----

From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, December 22, 2002 2:26 PM
Subject: Re: OT: Need advice on computer upgrade (somewhat lengthy)

> Hi Gang,
>
> FWIW, this computer will be the last one that I build myself.
Computers
> are so cheap now that it's not worth the headache of building your

own

> unless you're doing it for either a learning experience or for fun.
> Personally, I'd stick with Dell. They make great machines and have
great
> service/support. Our company only buys Dell machines and rarely do
we
> have issues with them. I bought a new notebook from them this Summer
and
> it's been 100% awesome!
>
> I'd rather be homebrewing a new rig or something than spending my
time
> tweaking a computer. To me the computer is the tool to get the rest
of
> my work done, and I don't need a tool that's going to break all the
time
> ;-) Take care...
>
> 73's Trev KG6CYN
> <http://home.earthlink.net/~kg6cyn>
> <http://www.qsl.net/kg6cyn>
>
> ----- Original Message -----
> From: Michael Bower N4NMR <bowerm@ix.netcom.com>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Sent: Sunday, December 22, 2002 7:37 AM
> Subject: RE: OT: Need advice on computer upgrade (somewhat lengthy)
>
>
> > Guys, I apologize if I say something that's already been said but
I
> haven't
> > been watching this thread closely.
> >
> > > From what John replied below, I get the idea that the originator
is
> trying
> > to upgrade his 486 or a faster 486 or something like that.
> >
> > Don't do it! No offense but it just isn't worth it. The amount
of
> work you
> > will put into trying to do this is huge compared to biting the
bullet
> and
> > getting a new machine. yes, it will be cheaper but you time has
to be
> worth

> > something.
> >
> > I tried this once and failed miserably.
> >
> > Don't get me wrong. IF (BIG IF) you had the right case and form
> factor and
> > it was already an ATX type case/MB, then maybe. In fact, I did
this
> in
> > August and it went fairly well. But if you are starting with a
> machine that
> > is a 486 style machine (form factor MB, case etc.) then you will
be
> fighting
> > it all the way.
> >
> > Just isn't worth the effort.
> >
> > If you are in the DC area, contact me direct and I'll give you
more
> info.
> >
> > Michael N4NMR
> >
> >
> > -----Original Message-----
> > From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU]On
Behalf
> Of
> > John J. McDonough
> > Sent: Sunday, December 22, 2002 10:22 AM
> > To: Low Power Amateur Radio Discussion
> > Subject: Re: OT: Need advice on computer upgrade (somewhat
lengthy)
> >
> >
> > ----- Original Message -----
> > From: "Dave Ek" <ekdave@earthlink.net>
> > Subject: Re: OT: Need advice on computer upgrade (somewhat
lengthy)
> >
> >
> > > worth the effort to change processors. You can probably
> > > buy a complete motherboard with a Pentium processor on
> > > it for next to nothing and get much better performance.
> >
> > The tricky bit is that most of the MB's you can find nowadays are
ATX

> > format, which means a new power supply, case and keyboard, memory,
and
> > probably a new mouse. Even if you find an AT motherboard, it
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> like
> > Dell went through a period back in the 486 timeframe where they
didn't
> take
> > standard MBs, so depending on the exact age of the system, an AT
MB
> might be
> > the same as an ATX in terms of upgrade complexity.
> >
> > I went through this exercise a few months ago (with the added
> complication
> > of needing a PCI slot). I found I could get a 766 MHz MB,
processor,
> > keyboard, mouse and case cheaper than I could get a P100 processor
and
> MB.
> > Even more of a surprise, I found a better deal at a downtown
computer
> store
> > than I could find on the web. So it's best to keep your options
open!
> >
> > On the floppies, many newer MBs allow you to make the switch in
the
> BIOS,
> > but the knowledge of which floppy is A is contained in the cable,
so
> > switching the cables should do it. Remember you are also going to
> have to
> > make a BIOS change since the BIOS needs to know the size of the
> drives.
> >
> > 72/73 de WB8RCR <http://www.qsl.net/wb8rcr>
> > didileydadidah QRP-L #1446 Code Warriors #35
> >
> >
> >
>
>

Date: Sun, 22 Dec 2002 15:18:35 -0500
From: "Bill, N4QA" <n4qa@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [142886] Re: Antenna here is Xmas tree lights
Message-ID: <BAY1-F37UiC3qc8kkCw0001aeff@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Ok Jim,
I've felt this one comin' for quite a while now...
How 'bout...
"Rockin' around the Christmas Tree..." - Brenda Lee

73.
Bill, N4QA
<http://www.qsl.net/n4qa/>

The new MSN 8: smart spam protection and 3 months FREE*.
[http://join.msn.com/?page=features/junkmail&xAPID=42&PS=47575&PI=7324&DI=7474&SU=](http://join.msn.com/?page=features/junkmail&xAPID=42&PS=47575&PI=7324&DI=7474&SU=getmsg&HL=1216hotmailtaglines_smartspamprotection_3mf)
<http://www.hotmail.msn.com/cgi-bin/>
[getmsg&HL=1216hotmailtaglines_smartspamprotection_3mf](http://www.hotmail.msn.com/cgi-bin/getmsg&HL=1216hotmailtaglines_smartspamprotection_3mf)

Date: Sun, 22 Dec 2002 15:42:11 -0500
From: <mgoins@usa.net>
To: <qrp-1@lehigh.edu>
Subject: [142887] Merry Christmas, QQ, and thanks
Message-ID: <640gLVuQL9856S06.1040589731@cmsweb06.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

I've been a member of QRP-ARCI for a lot of years (#3722), and without ta=king
king
up a lot of space her, I want to thank all who have been involved with QR=P
P
Quarterly this last year - the writers, associate editors, Board members,=columnists, cadre of beta testers (for the CD version for the blind), and=the
the
"hidden" contributors (who have asked to remain so). =

You guys are the best and brightest in radio, and I salute each and every=
one
of you for the contributions you make to the future of low power radio. =

Working with the best amateur radio has to offer, and getting to meet and=
know
some of the finest folks in the country, has definately been my pleasure.=
=

72/73 to all, and the happiest of holiday seasons. =

mike
wb5yjsx
managing editor
QRP Quarterly

Date: Sun, 22 Dec 2002 20:53:15 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: nkennedy@tcainternet.com, qrp-1@Lehigh.EDU
Subject: [142888] RE: Recommendation for torroids
Message-ID: <F64Jjt8gsVWDKpzxDPH00025dd8@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: Nick Kennedy <nkennedy@tcainternet.com>
>Reply-To: nkennedy@tcainternet.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: RE: Recommendation for torroids
>Date: Sun, 22 Dec 2002 13:26:15 -0600
>
>I'd recommend some 1/2 inch and 0.375 inch versions of the -2 and -6 (red
>and yellow) iron powder and some of the same sizes of type 43 ferrite.

Those are what I've got most of. Some double-aperture ferrite ones are
useful, as well.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790

Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller

MSN 8 helps eliminate e-mail viruses. Get 3 months FREE*.
<http://join.msn.com/?page=features/virus&xAPID=42&PS=47575&PI=7324&DI=7474&SU=>
[http://www.hotmail.msn.com/cgi-bin/](http://www.hotmail.msn.com/cgi-bin/getmsg&HL=1216hotmailtaglines_virusprotection_3mf)
[getmsg&HL=1216hotmailtaglines_virusprotection_3mf](http://www.hotmail.msn.com/cgi-bin/getmsg&HL=1216hotmailtaglines_virusprotection_3mf)

Date: Sun, 22 Dec 2002 15:01:16 -0600
From: Wayne Rogers <w5kdj@juno.com>
To: qrp-1@lehigh.EDU
Subject: [142889] Holiday mw Contest QRPP
Message-ID: <20021222.150116.-1681371.0.w5kdj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Link to their web page:
www.knightlites.org

Wayne _ W5KDJ
NW Houston
SV0WWW _ TF2WJN
ARCI_11325 * ARS_1392 * SOC_538

Date: Sun, 22 Dec 2002 14:15:52 -0700
From: "Chris Trask" <chistrask@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [142890] Switching Amplifiers (Classes D, E, F, S etc.)
Message-ID: <013201c2a9ff\$4fea3960\$01c79d40@ctrask>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Since there is a bit of confusion regarding Class E amplifiers which is causing at least one individual to get hot under the collar, let me try to

give a brief explanation of what switching amplifiers are all about.

First of all, these amplifiers are operated by driving the power device between cutoff and saturation with as little rise and fall time as possible. If the device saturates at a low voltage, then the heat dissipated during the "on" time is minimized. With fast rise and fall times, the heat dissipated during the transition time is minimized as well. The goal is to select and drive the power device in such a way as to minimize the power dissipated by the device in these three time periods.

The various classes of switching amplifiers denote either the method of performing the switching or in the way that the power is coupled to the load. Class D is unique in that it uses pulse width modulation (formed by way of a delta modulator) to vary the average power during the sine wave cycle. Class D Audio power amplifiers and RF power amplifiers used for AM broadcast stations use this method. This method is used for signals whose amplitude varies with time, such as an AM envelope.

The other two classes E and F (and a few newer ones) are used for signals that have a constant envelope, such as FM, PSK, and QPSK. In these, the power device is operated at a constant 50% duty cycle, and is easily driven with nothing more complicated than a square wave. The sine wave output is derived by designing the output tank circuit so that it passes the fundamental power and blocks the harmonics. To do this, we design parallel tuned tank circuits, called "idlers" to be resonant at $3f_0$, $5f_0$, and so forth. Most designs just use a single idler at $3f_0$, and a few include a $5f_0$ idler.

By having the power device see a load at f_0 and an open at the harmonics, the total voltage at the collector or drain is lower by way of superposition than it would be if we were just amplifying the fundamental. This lets the power device pass more current (hence power) to the load through the tank circuit, bringing the efficiency higher than we could otherwise. Efficiency is improved if the even harmonics are shorted to ground, which is what my IMS paper was all about.

I have designed Class F amplifiers at VHF with peak efficiencies of over 90% using MOSFET and LDMOS devices up to 100W. The only drawback to switching amplifiers of Class E and F is that they are narrowband, the result of keeping the idlers and resonant tank circuits all playing together.

Switching amplifiers can be looked at as Class B or Class C amplifiers being driven into heavy saturation, but the real difference is in the output matching circuitry.

Chris

```

      .------.
    /  What's all this  \
   / extinct stuff, anyhow? \
  \ -----'-----'
   _ | /
oo\  |
(--) \
     \  . ' .
      \  ' '
       \  "
        \  .
         \  ( ) \
          \  ' - | ) _ _ | : . \
           \  | | | | \ ' .
            \  c _ _ ; c _ _ ; ' - . . ' > . _ _

```

High Performance Mixers and
Amplifiers for RF Communications

Chris Trask / N7ZWY
Principal Engineer
Sonoran Radio Research
P.O. Box 25240
Tempe, Arizona 85285-5240

IEEE Member #40274515

Email: chistrask@earthlink.net
<http://www.home.earthlink.net/~chistrask>

Graphics by Loek Frederiks

----- Original Message -----

From: "Chris Cartwright" <ccart@phideaux.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Sunday, December 22, 2002 11:40 AM
Subject: Re: Class E

> On Sun, 22 Dec 2002, Trevor Jacobs wrote:
>
> > I'm really enjoying this discussion on Class E and Mosfets! Think I'm
> > going to get some parts and play around with it.
>
> Sheesh, you make one technical post to the list, and pretty soon everybody
> wants to build something :)
>
> It's been a blast for me so far Trevor. I have a fair amount of test
> equipment around, so I can see what's going on inside the circuit. But
> even that hasn't lead to the "Eureka!" epiphany moment. Now that others
> have mentioned articles and URL's I've forgotten about (or never seen),
> and I've gone back to re-read some of them, I think I'm closer to having a
> clue. But the light bulb over my head is just barely starting to glow.
>
> I've decided to download Multisim stuff mentioned in Lenny's article, but
> at 48K, I'm not gonna get to play with it until later this afternoon. It
> takes 32M a while to get out here in country, but then again I do have a 4
> acre "antenna range" :) Ok, back to letting the smoke out of some more
> MOSFET's, wooooohooo!!!

>
> 72
>
> -- Chris Cartwright, Unix Administrator |
ccart@phideaux.com --
> -- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363
9as --
> -- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI
#9271 --
>
>
>

Date: Sun, 22 Dec 2002 16:20:30 -0500 (EST)
From: Chris Cartwright <ccart@phideaux.com>
To: QRPL List <qrp-l@lehigh.edu>
Subject: [142891] Re: 23 dB gain - Class E and Norcal 40A articles series
Message-ID: <Pine.LNX.4.33.0212221619261.6275-100000@dns.phideaux.com.>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 22 Dec 2002, brian wrote:

> <http://www.cco.caltech.edu/~mmic/reshpubindex/class-e/poweramp.htm>

Found this in the May/June '97 QST. Re-reading it now and getting
confused again :)

-- Chris Cartwright, Unix Administrator | ccart@phideaux.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Oxford, PA 19363 FM29as --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Sun, 22 Dec 2002 16:33:14 -0500
From: "brian" <brian@iquest.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [142892] WAS hunt continues
Message-ID: <001501c2aa01\$bce2bae0\$5b652bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just worked K7ZYV in Biloxi, MS for state number 46.

Still need AK, HI, KS, and MT

If you're out there, I'm on 20m, 14060 area with K1 and/or Rockmite.

73

```
=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====
```

```
-----
Date: Sun, 22 Dec 2002 21:39:18 -0000
From: "Andy GM0NWI" <gm0nwiqrp@btopenworld.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142893] WTD:A NICE KIND GENTLEMEN OR XYL....WITH ALTOIDS ON THEIR
MINDS...!!
Message-ID: <001501c2aa02$95dd73d0$055bfea9@GM0NWILAPTOP>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
```

Guy's...

Been wantin' to ask this for years.....!!

With all this "talk" and subsequent "construction" of these "wonderful creations", that you guy's "over the pond" have been doin' since I joined this list...

I was kinda wonderin'.....to give me some more "inspiration", if it would be possible for you to "take me to your heart", and perhaps help me aquire some

of these lovely made tins.....for some of my more smaller "construction"
projects
here in the shack...??

I have an absolutley fantastic, "key + keyer" project that has been
completed for
sometime now, but has yet to be "enclosed", also there is a "multi-band
Oner"
there too,...to name a few...

I am going to try and get my friend Les KW4V, in Casselberry, Florida, to
look
out for some of these tins for me in the process,.....in the past I have
been stuck
using empty "tuna" tin enclosures, but since the "re-birth" of W1FB's
wonderful
creation,.....I think it is only fitting that I move some of my other
projects to another
enclosure/pen (pardon the pun..!)

So if anyone would like to help with this....perhaps we can wait till after
the festive
season, for postal purposes,.....but it for sure would be appreciated.....

Answers on a postcard to the e-mail address below.....or to the list
respectivley....

" Greetings From Bonnie Scotland..." gm0nwiqrp@btopenworld.com

72's, 73's

"..Badda-Bing..Badda-Boom.."

Andy

A.R.S.

"..It is vain to do with more....

"A Dis-Orientated Kiwi...

GM0NWI QRP

what can be done with less..."

In The Northern Hemisphere..."

GQRP No.9576

QRP-L No.2165

Alaskan QRP Club No.190

ICQ No.31899603

Date: Sun, 22 Dec 2002 15:54:50 -0600

From: "Jerry Hall, =?ISO-8859-1?Q?W=D8PWE"?= <lugehall@hotmail.com>

To: qrp-l@Lehigh.EDU

Subject: [142894] Re: Holiday mw Contest QRPP
Message-ID: <BAY1-F93AtGYkNUTv1700001319@hotmail.com>
Mime-Version: 1.0
Content-Type: text/html

```
<html><div style='background-color:'><DIV>
<DIV>
<DIV>I noticed that the info for the Holiday mw Contest at:</DIV>
<DIV><A href="http://www.knightlites.org/">http://www.knightlites.org</A></DIV>
<DIV>is for the 2001 contest. Are they planning to do it again this year? </DIV>
<DIV>72</DIV>
<DIV>Jerry, WOPWE</DIV>
<DIV>&nbsp;</DIV></DIV></DIV></div><br clear=all><hr>MSN 8 helps eliminate e-mail
viruses. Get 3 months FREE*. <a href="http://g.msn.com/8HMREN/2020">3 months
FREE*.</a> </html>
```

Date: Sun, 22 Dec 2002 16:56:25 -0500
From: "George Heron N2APB" <n2apb@erols.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [142895] Re: Class E
Message-ID: <003e01c2aa04\$fc7c2260\$37c13ad0@GHLTP4>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

It's a small-but-important point in the Class E design that the inductor in the *drain circuit* is the frequency-specific component, not the LPF output filter (whose cutoffs, by nature, must be selected for the desired frequency).

Lenny described in his article, as did the other authors in their references, that one has to adjust the windings on that toroid (in his schematic <http://www.njqrp.org/qhbextra/6/6b.html>) for optimum performance on his specific transmitter frequency.

So, for this reason, I'm not certain how wide in operation that "optimum inductance setting" would be. Guess I'll also keep reading to learn how a wide-band amplifier stage is achieved with this Class E approach.

73, George N2APB
n2apb@amsat.org

> So, if the output network on the original amplifier in question is tuned in

> such a way as to make this happen, it must be a Class E amp, and you must
> have the proper output network to make it a Class E.

So I guess that you'd need an adjustable output filter to "resonate" or "peak" it on different frequencies? Other wise it seems that you'd have a very narrow band to operate in. How touchy is this? Sounds like we're back to "Tune Your Final" ;-)

73's Trev KG6CYN

Date: Sun, 22 Dec 2002 12:08:16 -1000
From: w6ors@juno.com
To: qrp-1@Lehigh.EDU
Subject: [142896] Christmas
Message-ID: <20021222.121645.-1896039.1.w6ors@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to all for their submissions and answers over the years. Some of the subjects went over my head, others were priceless.

72/73,
Corky W6ORS
Mele Kalikimaka &
Hauoli Makahiki Hou!

Sign Up for Juno Platinum Internet Access Today
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Date: Sun, 22 Dec 2002 17:23:18 -0500
From: "w8diz" <w8diz@fpqrp.com>
To: <qrp-1@Lehigh.EDU>, <multipigplus@yahoogroups.com>
Cc: <fpqrp-1@mpna.com>
Subject: [142897] HB: Toroid Calculator update
Message-ID: <00d101c2aa08\$bb8b6410\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Everyone,

Version 1.3 of the Toroid Calculator is now complete.
I wrote this program to help me calculate bandpass filters
for 160 thru 10 meters on the multiPIG+ project.
Included in the program are suggestions from many of you
including wire lengths and other items.
There is also a parameter file that can be edited to
customize the calculations such as inches vs. centimeters.
You can even print the screen.

Thanks to those that reviewed the program with suggestions.
This version is now available to anyone who runs Windows.

<http://www.kitsandparts.com/tcalc.html>

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
FP#-1 DLQRPAG-1454 ARCI-10226 ARS-781 QRPL-1998 HIqrp-400
<http://kitsandparts.com>

Date: Sun, 22 Dec 2002 17:44:06 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <w2eb@twcnny.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [142898] Re: Mast Guy question
Message-ID: <20021222224555.DBDB1219.imf17bis.bellsouth.net@[192.168.0.20]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 9/29/02 10:47 PM, W2EB at w2eb@twcnny.rr.com wrote:

>I ask because I've just become the owner of an old 40 ft. military
>mast (AB-155/U). It uses 4 sets of 3 guys. When mounted per the
>>manual, the guys are both a little ugly, and dangerous to friends and
>family in the back yard.
> I'm considering using 8' tall 4X4 posts cemented into the ground
>and mounting the guys near the top of them. That will at least raise
>them over most people's heads so no one will decapitate themselves.
>Good idea? Bad idea? What's your idea?

BAD IDEA!

The forces present on the guy wire for a tower or mast can exceed 3000 lbs of pull PER GUY. A wooden 4x4 does not have the strength necessary to oppose 6-9000 lbs of force 3.5-4 feet off the ground. It will snap like a twig. Just what you need in a high wind.

Elevated guys are possible. The proper technique is to use a steel I-beam, and only a few feet high at that. Some hams have had success with concrete-filled 4-6" steel pipes, like those used to support wooden decks.

(Sorry this message is so late -- I have a huge backlog of mail.)

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Sun, 22 Dec 2002 23:55:35 +0100
From: "Sverre Holm - LA3ZA" <la3za@qsl.net>
To: <gm0nwiqrp@btopenworld.com>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [142899] RE: A NICE KIND GENTLEMEN OR XYL....WITH ALTOIDS ON THEIR
MINDS....!!
Message-ID: <000b01c2aa0d\$3dad75b0\$8e00a8c0@Master>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

But, aren't they made in London?

Sverre
LA3ZA
www.qsl.net/la3za

>
> So if anyone would like to help with this....perhaps we can
> wait till after the festive season, for postal
> purposes,.....but it for sure would be appreciated.....
>

Date: Mon, 23 Dec 2002 00:00:42 +0100
From: "Sverre Holm - LA3ZA" <la3za@qsl.net>
To: <chistrask@earthlink.net>,
 "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [142900] RE: Switching Amplifiers (Classes D, E, F, S etc.)
Message-ID: <000001c2aa0d\$f556d300\$8e00a8c0@Master>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Your posting was very informative and interesting on classes D and E.
But it made me wonder what the difference from class E to F is. You even
suggest by your title that there is a class S?

Sverre LA3ZA
www.qsl.net/la3za

PS! I'm assuming that classes G - R are non-existent!

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]
> On Behalf Of Chris Trask
> Sent: 22. desember 2002 22:16
> To: Low Power Amateur Radio Discussion
> Subject: Switching Amplifiers (Classes D, E, F, S etc.)

>
> The other two classes E and F (and a few newer ones) are
> used for signals that have a constant envelope, such as FM,
> PSK, and OPSK. In these, the power device is operated at a
> constant 50% duty cycle, and is easily driven with nothing
> more complicated than a square wave.

Date: Sun, 22 Dec 2002 18:01:19 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <w2wurjj@verizon.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [142901] Re: OT Help CD/RW
Message-ID: <004c01c2aa0e\$13c5f640\$0300a8c0@charter.net>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I've a factory installed CD/RW that writes to a CD/R. It won't write to
a RW
> disk but will read one. I just rebuilt the hard drive to factory specs.
> Could write speed or the driver cause the problem? Would lowering the
write
> speed from 8x increase proper operational possibilities?
>
> I'd like to make a hard drive backup on RW format, but want to be sure
all
> data is transferred. I'm confused. 73 Ron W2WU

With blank writeable CDs well under a dollar, why even bother with
the special file formats and RW media?

Mike

Date: Sun, 22 Dec 2002 18:56:52 -0500
From: "Ron Polityka" <wb3aal@fast.net>
To: ". QRP-L" <qrp-l@lehigh.edu>
Subject: [142902] Re: Nao JA6PA on 21.060 lookin fer calls at 23:35 UTC
Message-ID: <000b01c2aa15\$cd2b3030\$03645cd1@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

I just worked Nao this evening on 21.061 @ 23:22 UTC.

QSB made the QSO marginal but still workable. :-)

I like 15 m after sunset.

Worked him with the K2 @ 5 watts and Butternut HF9V on the roof at 30' with
radials.

72 & Good DX
Ron de WB3AAL
wb3aal@fast.net

www.n3epa.org

Date: Sun, 22 Dec 2002 23:57:16 +0000
From: Larry Cahoon <lejek@erols.com>
To: qrp-l@lehigh.edu
Subject: [142903] LA all QRP
Message-ID: <5.1.0.14.0.20021222234648.00bc5a30@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Today it was LA that fell all counties QRP - average power for a LA county comes in at 1.38 watts. John, K5JS, for this list on a trip in the area picked up the last two today. Both 2xQRP to finish up the state. Tnx John.

Now only 43 counties in 17 states to go for USA-CA all QRP.

73 de Larry.....WD3P in MD
<http://www.wd3p.net/>

End of QRP-L Digest 2777

